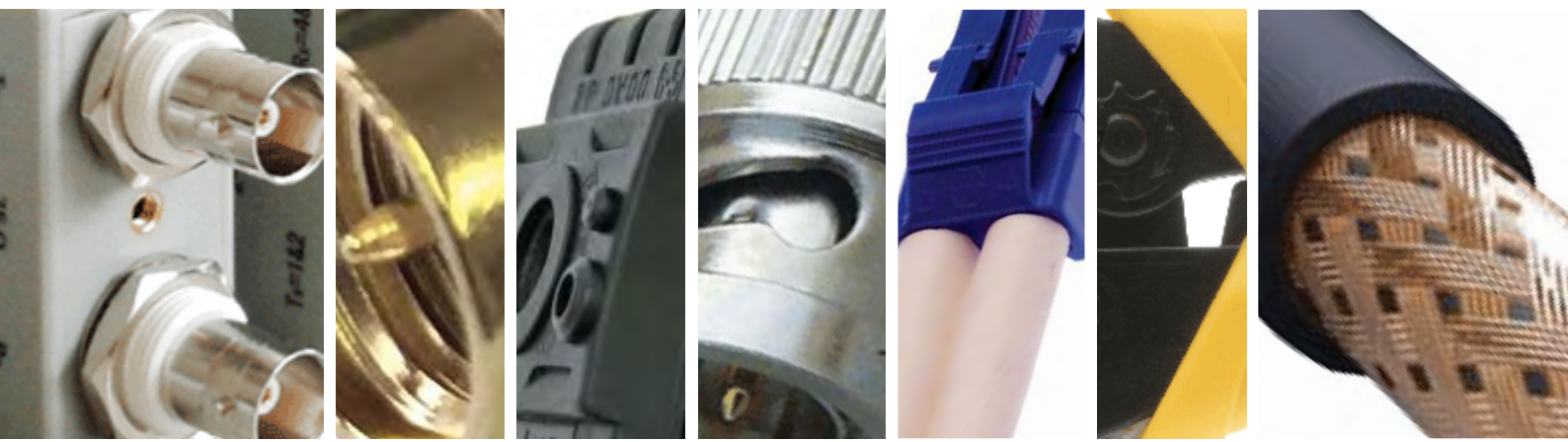




Product Guide 2016



Connectors

BT43 (SMZ Range)

Type 43/SMZ Connectors are extensively used on 75 ohm communication systems and have become the recognised standard in telecommunications in many parts of the world.

Designed around the requirements of BS9210 F0022, these connectors are designed for field installation and feature the 'Posi-lock' latch to prevent accidental disconnection.

Type 43/SMZ Connectors are available in 3 package sizes, Standard, HDC & UHDC. Whilst all configurations have the same interface dimensions and are intermateable, the outer body size of the HDC is reduced & again for the UHDC to facilitate a closer packing density on the distribution frame.

BT43 (SMZ Range)	Type 43 (12.7mm spacing)	HDC43 (10mm spacing)	UHDC43 (9mm spacing)
DDF Plug			
Socket			
U Link (A)			
U Link (B) with monitoring port			

Type 43



ITT's wide range of Cannon Type 43 / SMZ connectors are extensively used in 75 ohm communication systems and have become the recognized standard in telecommunications in many parts of the world.

Designed around the requirements of BS9210 F0022 and draft specifications CECC 122 300, these connectors are designed for field installation and feature the 'Posi-Lock' latch to prevent accidental disconnection.

A special feature of the Cannon Type 43 / SMZ range is the QT (Quick Termination) technology for cable connectors.

Designed to reduce assembly time and loose parts, the QT termination system incorporates a connector body with a pre-assembled centre contact, termination is simple with no loose contact to drop or lose. QT provides a reliable gas tight connection between the inner conductor of the cable and connector contact that meets the most stringent industry standards.

DDF Crimp Plug Plug 43/GTIS	Cable	Pack	Model	Stock Code
	BT2001	25	051-127-9739A9A	201-5001-001
	BT2002	25	051-127-9749A9A	201-5002-001
	BT2003	25	051-127-9759A9A	201-5003-001
	RG179	25	051-127-9779A9A	201-5004-001
	BT3002	25	051-127-9769A9A	201-5005-001
	RA7000	25	051-127-9479A9A	201-5007-001
	Saturn	25	051-127-9199A9A	201-5031-001

DDF Plug QT Plug 43/GTIQT	Cable	Pack	Model	Stock Code
	BT2003	25	W51-127-9439A9A	201-5203-001
	BT3002	25	W51-127-9459A9A	201-5205-001
	RA7000	25	W51-127-9479A9A	201-5207-001
	RA8000	25	W51-127-9059A9A	201-5208-001
	NCX	25	W51-127-9289A9A	201-5279-001
	AT&T735A	25	W51-127-9049A9A	201-5235-001
	CT1320/ST212	25	W51-127-9369A9A	201-5212-001
	RG59B/U	25	W51-127-9789A9A	201-5209-001
	2.5C-2V	25	W51-127-9039A9A	201-5225-001
	Saturn	25	W51-127-9119A9A	201-5231-001

Straight Latching Socket Crimp Socket 43/FS	Cable	Pack	Model	Stock Code
	BT2002	25	051-124-977991A	201-6002-001
	BT2003	25	051-124-978991A	201-6003-001
	BT3002	25	051-124-979991A	201-6005-001
	RG179	25	051-124-983991A	201-6004-001
	RA7000	25	051-124-960991A	201-6007-001
	2.5C-2V	25	051-124-950991A	201-6205-001
	CT1320/ST212	25	051-124-943991A	201-6012-001

Type 43 - ITT

Straight Latching Socket QT
Socket 43/FQT

Cable	Pack	Model	Stock Code
BT2003	25	W51-124-953991A	201-6203-001
BT3002	25	W51-124-963991A	201-6205-001
RA7000	25	W51-124-960991A	201-6207-001
RA8000	25	W51-124-947991A	201-6208-001
NCX	25	W51-124-944991A	201-6279-001
AT&T735A	25	W51-124-996991A	201-6235-001
CT1320/ST212	25	W51-124-943991A	201-6212-001
RG59B/U	25	W51-124-966991A	201-6209-001
2.5C-2V	25	W51-124-950991A	201-6225-001
Saturn	25	W51-124-999991A	201-6231-001

Right Angled Latching Socket
Socket 43/C

Cable	Pack	Model	Stock Code
BT2002	25	051-128-922991A	201-6502-001
BT2003	25	051-128-923991A	201-6503-001
RG179	25	051-128-924991A	201-6504-001
BT3002	25	051-128-933991A	201-6505-001
RA7000	25	051-128-947991A	201-6507-001
RG59B/U	25	051-128-941991A	201-6509-001
AT&T735A	25	051-128-935991A	201-6535-001

U Link
without monitor port

Pack	Model	Stock Code
10	055-181-9079AZ0	201-7000-001

U Link
with monitor port

Pack	Model	Stock Code
10	055-181-9119AZ0	201-7100-001



Type 43 - Radiall

DDF Crimp Plug Plug 43/GTIS	Cable	Pack	Model	Stock Code
	BT2001	20	R214 313 742	201-5001-019
	BT2002	20	R214 313 762	201-5002-019
	BT2003	20	R214 313 782	201-5003-019
	RG179	20	R214 313 702	201-5004-019
	BT3002	20	R214 313 722	201-5005-019
	BT5000	20	R214 313 992	201-5006-019
	RA8000	20	R214 313 706	201-5008-019

Straight Crimp Socket Socket 43/FS	Cable	Pack	Model	Stock Code
	BT2001	20	R214 083 942	201-6001-019
	BT2002	20	R214 083 962	201-6002-019
	BT2003	20	R214 083 982	201-6003-019
	RG179	20	R214 083 902	201-6004-019
	BT3002	20	R214 083 922	201-6005-019
	BT5000	20	R214 083 992	201-6006-019
	RA8000	20	R214 083 906	201-6008-019

Right-Angled Solder Socket Plug 43/C	Cable	Pack	Model	Stock Code
	BT2001	20	R214 182 942	201-6501-019
	BT2002	20	R214 182 962	201-6502-019
	BT2003	20	R214 182 982	201-6503-019
	RG179	20	R214 182 902	201-6504-019
	BT3002	20	R214 182 922	201-6505-019
	BT5000	20	R214 182 992	201-6506-019
	RA8000	20	R214 182 906	201-6508-019

U Link
without monitor port

Pack	Model	Stock Code
1	R214 790 700	201-7000-019
10	R214 790 701	201-7000-019
50	R214 790 703	201-7000-019

U Link
with monitor port

Pack	Model	Stock Code
1	R214 791 700	201-7100-019
10	R214 791 701	201-7100-019
50	R214 791 703	201-7100-019



Type 43 - Interface

DDF Plug Crimp Plug 43/GTIS	Cable	Pack	Model	Stock Code
	BT2001	25	310-831-TNG BT2001	201-5001-002
	BT2002	25	310-831-TNG BT2002	201-5002-002
	BT2003	25	310-831-TNG BT2003	201-5003-002
	RG179	25	310-831-TNG RG179	201-5004-002
	BT3002	25	310-831-TNG BT3002	201-5005-002
	RA7000	25	310-831-TNG RA7000	201-5007-002
	RA8000	25	310-831-TNG RA8000	201-5008-002
	CT1320/ST212	25	310-831-TNG CT1320	201-5012-002

Straight Latching Socket Crimp Socket 43/FS	Cable	Pack	Model	Stock Code
	BT2001	25	310-821-TNG BT2001	201-6001-002
	BT2002	25	310-821-TNG BT2002	201-6002-002
	BT2003	25	310-821-TNG BT2003	201-6003-002
	RG179	25	310-821-TNG RG179	201-6004-002
	BT3002	25	310-821-TNG BT3002	201-6005-002
	RA8000	25	310-821-TNG RA8000	201-6008-002

Straight Latching Socket Crimp (2100 series) Socket 43/FS	Cable	Pack	Model	Stock Code
	RG179	25	310-824-TNG RG179	201-6604-002
	BT3002	25	310-824-TNG BT3002	201-6605-002
	RA7000	25	310-824-TNG RA7000	201-6607-002
	RA8000	25	310-824-TNG RA8000	201-6608-002
	Huawei Mini	25	310-824-TNG Huawei Mini	201-6650-002

Right-Angled Latching Socket Socket 43/C	Cable	Pack	Model	Stock Code
	BT2001	25	310-651-TNG BT2001	201-6501-002
	BT2002	25	310-651-TNG BT2002	201-6502-002
	BT2003	25	310-651-TNG BT2003	201-6503-002
	RG179	25	310-651-TNG RG179	201-6504-002
	BT3002	25	310-651-TNG BT3002	201-6505-002
	RA8000	25	310-651-TNG RA8000	201-6508-002

Type 43

U Link 13A without monitor port		
Pack	Model	Stock Code
10	310-940-TNG	201-7000-002



U Link 13A with monitor port		
Pack	Model	Stock Code
10	310-941-TNG 30dB	201-7100-002



Tester 430A	
Speed	Stock Code
2/8mb	201-630A-037



Tester 430B	
Speed	Stock Code
2/155mb	201-630B-037



HDC43

DDF Crimp Plug HDC43/GTIS	Cable	Pack	Model	Stock Code
	BT2002	25	051-127-9849A9A	202-5002-001
	BT2003	25	051-127-9859A9A	202-5003-001
	RG179	25	051-127-9879A9A	202-5004-001
	BT3002	25	051-127-9869A9A	202-5004-001
	RA7000	25	051-127-9609A9A	202-5007-001
	RD179	25	051-127-9499A9A	202-5011-001

DDF Plug QT HDC43/GTIQT	Cable	Pack	Model	Stock Code
	BT2003	25	W51-127-9929A9A	202-5203-001
	BT3002	25	W51-127-9909A9A	202-5205-001
	RA7000	25	W51-127-9609A9A	202-5207-001
	RA8000	25	W51-127-9069A9A	202-5208-001
	NCX	25	W51-127-9019A9A	202-5279-001
	AT&T735A	25	W51-127-9029A9A	202-5235-001
	CT1320/ST212	25	W51-127-9379A9A	202-5212-001
	Saturn	25	W51-127-9109A9A	202-5231-001
	0.25/1.45/2.6	25	W51-127-9139A9A	202-5226-001

Straight Latching Socket Crimp HDC43/FS	Cable	Pack	Model	Stock Code
	RG179	25	051-124-984991A	202-6004-001
	BT3002	25	051-124-937991A	202-6005-001
	RA7000	25	051-124-929991A	202-6007-001

Straight Latching Socket QT HDC43/FQT	Cable	Pack	Model	Stock Code
	BT3002	25	W51-124-937991A	202-6205-001
	RA7000	25	W51-124-929991A	202-6207-001
	RA8000	25	W51-124-945991A	202-6208-001

U Link 10A without monitor port		
Pack	Model	Stock Code
10	055-181-9129AZ0	202-7000-001



U Link 10B with monitor port		
Pack	Model	Stock Code
10	055-181-9139AZ0	202-7100-001



HDC43 - Radial

HDC43 DDF Crimp Plug Plug HDC43/GTIS 	Cable	Pack	Model	Stock Code
	BT2001	20	R214 318 742	202-5001-019
	BT2002	20	R214 318 762	202-5002-019
	RA2003	20	R214 318 782	202-5003-019
	RG179	20	R214 318 702	202-5004-019
	BT3002	20	R214 318 722	202-5005-019
	RA8000	20	R214 318 732	202-5008-019

HDC43 Crimp Socket Socket HDC43/FS 	Cable	Pack	Model	Stock Code
	BT2001	20	R214 088 942	202-6001-019
	BT2002	20	R214 088 962	202-6002-019
	RA2003	20	R214 088 982	202-6003-019
	RG179	20	R214 088 902	202-6004-019
	BT3002	20	R214 088 922	202-6005-019
	RA8000	20	R214 088 932	202-6008-019

U Link 10A without monitor port		
Pack	Model	Stock Code
10	R214 797 700	202-7000-019
50	R214 797 703	202-7000-019



U Link 10B with monitor port		
Pack	Model	Stock Code
10	R214 798 700	202-7100-019
50	R214 798 703	202-7100-019



HDC43 - Interface

DDF Plug Crimp
HDC43/GTIS



Cable	Pack	Model	Stock Code
BT2001	25	310-832-TNG BT2001	202-5001-002
BT2002	25	310-832-TNG BT2002	202-5002-002
BT2003	25	310-832-TNG BT2003	202-5003-002
RG179	25	310-832-TNG RG179	202-5004-002
BT3002	25	310-832-TNG BT3002	202-5005-002
RA7000	25	310-832-TNG RA7000	202-5007-002
RA8000	25	310-832-TNG RA8000	202-5008-002
CT1320/ST212	25	310-832-TNG CT1320	202-5012-002
Huawei Mini	25	310-832-TNG Huawei Mini	202-5050-002

Straight Latching
Socket Crimp (2100 series)



Cable	Pack	Model	Stock Code
BT2001	25	310-825-TNG BT2001	202-6601-002
BT2002	25	310-825-TNG BT2002	202-6602-002
BT2003	25	310-825-TNG BT2003	202-6603-002
RG179	25	310-825-TNG RG179	202-6604-002
BT3002	25	310-825-TNG BT3002	202-6605-002
RA8000	25	310-825-TNG RA8000	202-6608-002
Flex 3/75 25	25	310-825-TNG Flex 3/75	202-6643-002
Huawei Mini	25	310-825-TNG Huawei Mini	202-6650-002

U Link 10A
without monitor port

Pack	Model	Stock Code
10	310-950-TNG	202-7000-002



U Link 10B
with monitor port

Pack	Model	Stock Code
10	310-959-TNG	202-7100-002



UHDC43 - Interface

UHDC43 DDF Crimp Plug Plug UHDC43/GTIS	Cable	Pack	Model	Stock Code
	BT2001	25	310-833-TNG BT2001	203-5001-002
	BT2002	25	310-833-TNG BT2002	203-5002-002
	BT2003	25	310-833-TNG BT2003	203-5003-002
	RG179	25	310-833-TNG RG179	203-5004-002
	BT3002	25	310-833-TNG BT3002	203-5005-002
	RA7000	25	310-833-TNG RA7000	203-5007-002
	RA8000	25	310-833-TNG RA8000	203-5008-002
	CT1320/ST212	25	310-833-TNG CT1320	203-5012-002

UHDC43 Crimp Socket Socket UHDC43/FS	Cable	Pack	Model	Stock Code
	RG179	25	310-823-TNG RG179	203-6004-002
	BT3002	25	310-823-TNG BT3002	203-6005-002
	CT1320/ST212	25	310-823-TNG CT1320	203-6012-002

U Link 9A without monitor port		
Pack	Model	Stock Code
10	310-960-TNG	203-7000-002



U Link 9B with monitor port		
Pack	Model	Stock Code
10	310-961-TNG	203-7100-002



UHDC43 - Radiall

UHDC43 DDF Crimp Plug Plug UHDC43/GTIS	Cable	Pack	Model	Stock Code
	RG179	20	R214.320.702	203-5004-019
	BT3002	20	R214.320.722	203-5005-019
	RA8000	20	R214.320.706	203-5008-019
	CT1320	20	R214.320.792	203-5012-019

UHDC43 Crimp Socket Socket UHDC43/FS	Cable	Pack	Model	Stock Code
	BT3002	20	R214.089.922	203-6005-019
	CT1320	20	R214.089.992	203-6012-019

U Link 9A without monitor port		
Pack	Model	Stock Code
10	R214.797.721	203-7000-019
50	R214.797.723	203-7000-019



U Link 9B with monitor port		
Pack	Model	Stock Code
10	R214.798.721	203-7100-019
50	R214.798.723	203-7100-019



1.0/2.3

Straight Crimp Plug

Cable	Crimp Details	Stock Code
2.5C-2V	1.2/4.52	205-1025-004
3C-2V	1.2/6.8	205-1032-004
Belden 1855	1.2/4.52	205-10FA-004
BT3002	1.2/4.06	205-1005-004
Flex 2/75	-	205-1042-004
Flex 3.9/75	-	205-1019-004
Flex 5/75	-	205-1045-004
L910/39	1.2/5.41	205-1039-004
RA7000, ST121	-	205-1007-004
RG174, RG316	1.2/3.8	205-1074-004
RG179, RA8000	1.2/3.25	205-1004-004
RG59B/U	1.2/6.8	205-1009-004
ST779	1.2/4.52	205-1079-004
TZC 750 05	1.2/6.48	205-1075-004
ST212	1.2/3.8	205-1012-004
02Y(ST)CY 0.45/2.0-75	1.2/4.52	205-1017-004

Straight Crimp Plug
75ohm 3GHz

Cable	Stock Code
Belden 1694A, Draka 1.0/4.8AF	205-10FC-002
Belden 1855ENH, Draka 0.6/2.8AF	205-10FA-002
Belden 1505A, Draka 0.8/3.7AF	205-10FB-002

Straight Crimp Plug

Cable	Crimp Details	Stock Code
RG179/RG174	solder/3.25	205-1004S-070
BT3002/SYV-75-2-2	solder/4.52	205-1005S-070

Straight Crimp Plug
(Push Screw)

Cable	Crimp Details	Stock Code
RA7000, ST121	TBC	205-10A07-004
RG179	TBC	205-10A04-004
RG59	TBC	205-10A09-004
ST212	TBC	205-10A12-004

1.0/2.3

**1.0/2.3 HD
Straight Crimp Plug**

Cable	Crimp Details	Stock Code
0.25/1.45/2.6	1.2/3.25	205M-1026-004
02Y(ST)CY 0.45/2.0-75	1.2/4.52	205M-1017-004
RA7000, ST121, 0.6/2.8	1.2/5.41	205M-1007-004
RG179, RA8000	1.2/3.25	205M-1004-004
ST212	1.2/3.8	205M-1012-004
ST779	1.2/4.52	205M-1079-004

Right Angled Crimp Plug

Cable	Crimp Details	Stock Code
3C-2V	solder/6.8	205-1632-004
BT2003	solder/6.8	205-1603-004
BT3002	solder/4.06	205-1605-004
Flex 3/75	solder/4.52	205-1643-004
Flex 5/75	solder/4.52	205-1645-004
Flex 6/75	solder/6.48	205-1646-004
L910/39	solder/4.52	205-1639-004
RA7000, ST121, 0.6/2.8	solder/5.4	205-1607-004
RG179, Flex 2/75	solder/3.25	205-1604-004
RG59B/U, ST214, ST271	solder/6.8	205-1609-004
ST212	solder/3.8	205-1612-004
ST779	solder/4.52	205-1679-004

**Right Angled Crimp Plug
(Push Screw)**

Cable	Crimp Details	Stock Code
2.5C-2V	TBC	205-16A25-004
RA7000, ST121, 0.6/2.8	TBC	205-16A07-004
RA7000, ST212	TBC	205-16A12-004
RG179	TBC	205-16A04-004

Straight Crimp Bulkhead Jack 	Cable	Crimp Details	Stock Code
	3C-2V	-	205-2532-004
	BT3002	1.2/4.06	205-2505-004
	Flex 2/75	1.2/3.25	205-2542-004
	Flex 3.9/75	1.2/4.52	205-2519-004
	Flex 5/75	1.2/5.41	205-2545-004
	L910/39	1.2/5.41	205-2539-004
	RG179, RA8000	1.2/3.25	205-2504-004
	RG59B/U	1.2/6.8	205-2509-004
	ST212	1.2/3.8	205-2512-004
	ST214	1.2/6.8	205-2514-004
	ST779	1.2/4.52	205-2579-004

Right Angled Crimp Bulkhead Jack 	Cable	Crimp Details	Stock Code
	3C-2V	solder/6.8	205-3632-004
	BT2003	solder/4.06	205-3603-004
	BT3002	solder/4.06	205-3605-004
	Flex 3/75	solder/4.52	205-3643-004
	Flex 5/75	solder/5.41	205-3645-004
	Flex 6/75	solder/6.48	205-3646-004
	L910/39	solder/4.52	205-3639-004
	RA7000, ST121	solder/5.41	205-3607-004
	RG179, Flex 2/75	3.25/solder	205-3604-004
	RG59B/U, ST214	6.8/solder	205-3609-004
	ST212	3.8/solder	205-3612-004
	ST779	4.52/solder	205-3679-004



1.0/2.3 Jack/Jack Adaptor	
Model	BTR.03.002
Stock Code	205-8000-004



1.0/2.3 Bulkhead Jack/Jack	
Model	BTR.03.001
Stock Code	205-8500-004

1.0/2.3 (Type 54) - ITT

Straight Crimp Plug	Cable	Model	Stock Code
	BT2003	D55-F24-3033GDA	205-1003-001
	RG179/RA8000	D55-F24-3079GDA	205-1004-001
	BT3002	D55-F24-3035GDA	205-1005-001
	BT5000	D55-F24-3036GDA	205-1006-001
	RA7000	D55-F24-3037GDA	205-1007-001
	RA8000	D55-F24-3038GDA	205-1008-001
	ST212	D55-F24-3022GDA	205-1012-001
	ST214	D55-F24-3024GDA	205-1014-001
	2.5C-2V	D55-F24-3043GDA	205-1025-001
	B 0.25/1.45	D55-F24-3053GDA	205-1026-001
	3C-2V	D55-F24-3045GDA	205-1032-001
	AT&T734A	D55-F24-3049GDA	205-1034-001
	AT&T735A	D55-F24-3050GDA	205-1035-001
	L910	D55-F24-3095GDA	205-1039-001
	0.4/2.42/4.07	D55-F24-3052GDA	205-1040-001
	Flex 2	D55-F24-3090GDA	205-1042-001
	Flex 3	D55-F24-3091GDA	205-1043-001
	Flex 5	D55-F24-3092GDA	205-1045-001
	TZC75005	D55-F24-3051GDA	205-1075-001

1.0/2.3 HD
Straight Plug

Cable	Model	Stock Code
RG179	D55-F24-3979GDA	205M-1004-001
ST212	D55-F24-3922GDA	205M-1012-001
BT3002	D55-F24-3935GDA	205M-1005-001
AT&T735A	D55-F24-3950GDA	205M-1035-001

Type 54 Straight Plug
BT Style 1.0/2.3

Cable	BT Ref.	Model	Stock Code
BT2003	(54/3B)	D55-F24-3133GDA	205-6003-001
BT3002	(54/5B)	D55-F24-3135GDA	205-6005-001
BT5000	(54/6B)	D55-F24-3136GDA	205-6006-001
RA7000	(54/7B)	D55-F24-3137GDA	205-6007-001
RA8000	(54/8B)	D55-F24-3138GDA	205-6008-001

Type 54 Right-Angled Plug
BT Style 1.0/2.3

Cable	BT Ref.	Model	Stock Code
BT2003	(54/3A)	D55-F28-3233A9A	205-6503-001
BT3002	(54/5A)	D55-F28-3235A9A	205-6505-001
BT5000	(54/6A)	D55-F28-3236A9A	205-6506-001
RA7000	(54/7A)	D55-F28-3237A9A	205-6507-001
RA8000	(54/8A)	D55-F28-3238A9A	205-6508-001

1.0/2.3 Connectors

**Straight Crimp Bulkhead Jack**

Cable	Model	Stock Code
BT2003	D55-F27-3033GEA	205-2503-001
RG179	D55-F27-3079GEA	205-2504-001
BT3002	D55-F27-3035GEA	205-2505-001
RA7000	D55-F27-3037GEA	205-2507-001
RA8000	D55-F27-3038GEA	205-2508-001
ST212	D55-F27-3022GEA	205-2512-001
ST214	D55-F27-3024GEA	
BT5000	D55-F27-3036GEA	
TZC75005	D55-F27-3051GEA	
0.4/2.4	D55-F27-3052GEA	
B 0.25/1.45	D55-F27-3053GEA	
HFE2290	D55-F27-3054GEA	
Flex 2	D55-F27-3090GEA	
Flex 3	D55-F27-3091GEA	
Flex 5	D55-F27-3092GEA	
Flex 7	D55-F27-3094GEA	
LA 910	D55-F27-3095GEA	
2.5C - 2V	D55-F27-3043GEA	
3C - 2V	D55-F27-3045GEA	
3C - 2W	D55-F27-3046GEA	

Right Angle Plug

Cable	Model
ST212	D55-F28-3122A9A
ST214	D55-F28-3124A9A
BT2003	D55-F28-3133A9A
BT3002 - TZC75024	D55-F28-3135A9A
BT5000	D55-F28-3136A9A
RA7000	D55-F28-3137A9A
RG179	D55-F28-3179A9A

Right Angle B/H Jack

Cable	Model
BT3002	D51-F30-3035GBA
ST212	D51-F30-3022GBA
ST214	D51-F30-3024GBA
RG179 B/U	D51-F30-3069GBA
RG59	D51-F30-3059GBA
Flex 2	D51-F30-3090GBA
Flex 3	D51-F30-3091GBA

Adaptors

Description	Model	Stock Code
1.0/2.3 P/P Adaptor	D55-F73-0000A9A	205-8100-001
1.0/2.3 B/H J/J Adaptor	D55-F77-0000A9A	205-8500-001
1.0/2.3 B/H P/J Adaptor	D55-F74-0000A9A	205-8600-001

Between Series Adaptors

Description	Model	Stock Code
1.0/2.3 Plug to 1.6/5.6 Plug	D55-F73-6000A9A	
1.0/2.3 Plug to 1.6/5.6 Jack	D55-F74-6000A9A	
1.0/2.3 Jack to 1.6/5.6 Plug	D55-F74-6010A9A	
1.0/2.3 Jack to 1.6/5.6 Jack	D55-F72-6000A9A	
1.0/2.3 Plug to BNC Jack	D55-F74-6002A9A	
1.0/2.3 Jack to BNC Plug	D55-F74-6012A9A	290-5020-001
1.0/2.3 Jack to BNC Jack	D55-F72-6002A9A	290-5025-001

1.6/5.6 - CM

Straight Crimp Plug	Cable	Model	Crimp Detail	Stock Code
	BT2002	ASD.61.804	1.2/5.41	206-1002-004
	BT2003	ASD.61.817	1.2/6.8	206-1003-004
	RG179/RA8000	ASD.61.805	1.2/3.25	206-1004-004
	BT3002	ASD.61.803	1.2/4.06	206-1005-004
	RA7000	ASD.61.819	1.2/5.41	206-1007-004
	L910/39	ASD.61.811	1.2/5.41	206-1039-004
	RG59	ASD.61.810	1.2/6.8	206-1009-004
	ST212	ASD.61.801	1.2/3.8	206-1012-004
	ST214	ASD.61.802	1.2/6.8	206-1014-004
	Flex 3	ASD.61.806	1.2/4.52	206-1043-004
	Flex 5	ASD.61.807	1.2/5.41	206-1045-004
	Flex 6	ASD.61.808	1.2/6.48	206-1046-004
	ST779/NCX	ASD.61.816	1.2/4.52	206-1079-004
	2.5C-2V	ASD.61.823	1.2/4.52	206-1025-004
Right-Angled Crimp Plug	Cable	Model	Crimp Detail	Stock Code
	BT2002	ASG.62.818	Solder/5.41	206-1602-004
	BT2003	ASG.62.814	Solder/6.8	206-1603-004
	RG179/RA8000	ASG.62.808	Solder/3.25	206-1604-004
	RD179	ASG.62.824	Solder/3.8	206-1611-004
	BT3002	ASG.62.819	Solder/4.06	206-1605-004
	RG59, Flex 6	ASG.62.806	Solder/6.8	206-1609-004
	L910/39	ASS.62.817	Solder/4.51	206-1639-004
	Flex 3	ASG.62.813	Solder/4.52	206-1643-004
	ST212	ASG.62.802	Solder/3.8	206-1612-004
	ST214	ASG.62.803	Solder/6.8	206-1614-004
	Flex 2	ASG.62.805	Solder/3.25	206-1642-004
	Flex 5	ASG.62.810	Solder/5.41	206-1645-004
	2.5C-2V	ASG.62.811	Solder/5.41	206-1625-004
	3C-2V	ASG.62.821	Solder/6.8	206-1632-004
Straight Bulkhead Jack	Cable	Model	Crimp Detail	Stock Code
	BT2003	APD.60.817	1.2/6.8	206-2503-004
	RG179/RA8000	APD.60.805	1.2/3.25	206-2504-004
	BT3002	APD.60.803	1.2/4.06	206-2505-004
	L910/39	APD.60.810	1.2/5.41	206-2539-004
	NCX/ST779	APD.60.820	1.2/4.52	206-2579-004
	BT2002	APD.60.804	1.2/5.41	206-2502-004
	Flex 3	APD.60.806	1.2/4.52	206-2543-004
	Flex 5	APD.60.807	1.2/5.41	206-2545-004
	Flex 6	APD.60.808	1.2/6.48	206-2546-004
	RG59	APD.60.811	1.2/6.8	206-2509-004
	RA7000	APD.60.816	1.2/5.41	206-2507-004
	RD179	APD.60.822	1.2/3.8	206-2511-004

1.6/5.6 - CM

Straight Bulkhead Jack (Insulated) 	Cable	Model	Crimp Detail	Stock Code
	BT2002	APD.62.904	1.2/5.41	206-2702-004
	BT3002	APD.62.903	1.2/4.06	206-2705-004
	Flex 2	APD.62.905	1.2/3.25	206-2742-004
	Flex 3	APD.62.906	1.2/4.52	206-2743-004
	Flex 5	APD.62.907	1.2/5.41	206-2744-004
	Flex 6	APD.62.908	1.2/6.48	206-2746-004
	ST212	APD.62.901	1.2/3.8	206-2712-004
	ST214	APD.62.902	1.2/6.8	206-2714-004

Right-Angled Bulkhead Jack 	Cable	Model	Crimp Detail	Stock Code
	2.5C-2V	APG.60.818	Solder/5.41	206-3625-004
	3C-2V	APG.60.822	Solder/6.8	206-3632-004
	BT2002	APG.60.819	Solder/5.41	206-3602-004
	BT2003	APG.60.814	Solder/6.8	206-3603-004
	BT3002	APG.60.820	Solder/4.06	206-3605-004
	Flex 5	APG.60.817	Solder/5.41	206-3645-004
	RD179	APG.60.828	Solder/3.8	206-3611-004
	RG179/RA8000	APG.60.808	Solder/3.25	206-3604-004
	RG59B/U, Flex 6	APG.60.806	Solder/6.8	206-3609-004
	ST212	APG.60.802	Solder/3.8	206-3612-004
	ST214	APG.60.803	Solder/6.8	206-3614-004
	ST779/NCX	APG.60.825	Solder/4.52	206-3679-004

Bulkhead Adaptor Jack/Jack		Model	Stock Code
		ATR.06.005	206-8500-004

U Link without monitor port 	Model	Spacing	Stock Code
	ASP.01.801	15mm	206-8115-004
	ASP.01.802	20mm	206-8120-004
U Link with monitor port 	Model	Spacing	Stock Code
	ASP.04.801	15mm	206-8815-004
	ASP.04.802	20mm	206-8820-004

1.6/5.6 Connectors



The Cannon range of 1.6/5.6 connectors are suitable for use in 75 ohm communication systems and have become the recognized standard in telecommunications in many parts of the world.

Designed around the requirements of DIN 47295, CECC 22240 and IEC 169-13, these connectors are designed for field installation and feature threaded couplings to ensure mating integrity and a snap-on interface for ease of connection.

1.6/5.6 Straight Crimp Plug

Cable	Pack	Model	Stock Code
BT2003	25	D50-A24-3033GDA	206-1003-001
BT3002	25	D50-A24-3035GDA	206-1003-001
RA7000	25	D50-A24-3037GDA	206-1007-001

1.6/5.6 Right-Angle Plug

Cable	Pack	Model	Stock Code
BT2003	25	D50-A28-3133GKA	206-1603-001
BT3002	25	D50-A28-3135GKA	206-1605-001
RA7000	25	D50-A28-3137GKA	206-1607-001

1.6/5.6 Straight Bulkhead Jack

Cable	Pack	Model	Stock Code
BT2003	25	D50-A27-3033GEA	206-2503-001
BT3002	25	D50-A27-3035GEA	206-2505-001
RA7000	25	D50-A27-3037GEA	206-2507-001

1.6/5.6 Right-Angled Bulkhead Jack

Cable	Pack	Model	Stock Code
BT2003	25	D50-A30-3233GBA	206-3603-001
BT3002	25	D50-A30-3235GBA	206-3605-001
RA7000	25	D50-A30-3237GBA	206-3607-001

1.6/5.6

1.6/5.6 Straight Crimp Plug (Solder/ Crimp/Screw Cover)



Cable	Crimp Detail	Stock Code
RG179, 1.5C-2V, SYV-75-2-1	solder/3.48	206-1104-070
BT3002, SYV-75-2-2	solder/4.75	206-11S2-070
3C-2V, SYV-75-3-1	solder/5.41	206-1132-070

1.6/5.6 Straight Crimp Plug (Solder/ Crimp)



Cable	Crimp Detail	Stock Code
RG179, 1.5C-2V, SYV-75-2-1	solder/3.25	206-1004S-070
BT3002, SYV-75-2-2	solder/4.75	206-1005S-070

1.6/5.6 Adaptor Plug/Plug

Stock Code 206-8100-070



1.6/5.6 Bulkhead Adaptor Jack/Jack with solder tag

Stock Code 206-8501-070



U Link with monitor port

15mm	206-8815-070
20mm	206-8820-070



1.6/5.6 - DDF Block - 8 Way

Stock Code : 802-LTCF-TM08



1.6/5.6 - DDF Block - 16 Way

Stock Code : 802-LTCF-TM16



SMA Connectors

SMA Crimp Plug

Cable	Crimp Details	Stock Code
LMR200	solder/5.41	214-1020-070
LMR240	solder/6.48	214-1044S-070
LMR300/5D-FB	solder/7.9	214-1078S-070
LMR400	3.25/10.9	214-1080-070
RG58/LMR195	solder/5.41	214-1058S-070
RG58/LMR195	1.72/5.41	214-1058-002
RG174	solder/3.25	214-1074S-070
RG174	1.07/3.25	214-1074-002
RG213	solder/10.9	214-1023S-070
RG223	1.72/6.50	214-1022-002
RG223	solder/5.41	214-1022S-070

SMA Right-Angled Crimp Plug

Cable	Crimp Details	Stock Code
LMR200	solder/5.41	214-1520-070
LMR240	solder/6.48	214-1544-070
LMR400	solder/10.9	214-1580-070
RG58	solder/5.41	214-1558-070
RG174/316	solder/3.25	214-1574-070
RG223	solder/5.41	214-1522-070
LMR300/5D-FB	solder/7.9	214-1578-070

SMA Straight Crimp Jack

Cable	Crimp Details	Stock Code
LMR400	solder/10.9	214-2080S-070
RG58/LMR195	solder/5.41	214-2058S-070
RG174	solder/3.25	214-2074S-070
RG174/188/316	1.07/3.25	214-2074-002

Jack/Jack Straight

Stock Code 214-8000-070

**Plug/Plug Straight**

Stock Code 214-8100-070

**Jack/Jack/Jack T-Adaptor**

Stock Code 214-8200-070

**Jack/Plug/Jack T-Adaptor**

Stock Code 214-8300-070

**Plug/Jack Right-Angled Plug**

Stock Code 214-8400-070

**Bulkhead Jack/Jack**

Stock Code 214-8500-070

**Plug/Jack Straight**

Stock Code 214-8650-070



SMA Connectors (Reverse Polarity)

SMA Crimp Plug (RP)	Cable	Crimp Details	Stock Code
	LMR195/RG58	1.78/5.41	214-1058RP-002
	LMR240	1.72/6.48	214-1044RP-070
	RG223	1.72/6.50	214-1022RP-002
	RG223	solder/5.41	214-1022SRP-070
	RG174, RG188, RG316, LMR100	solder/3.25	214-1074SRP-070

SMA Right-Angled Crimp Plug (RP)	Cable	Crimp Details	Stock Code
	LMR195/RG58	Solder/5.41	214-1658RP-070
	LMR240	Solder/6.48	214-1644RP-070
	RG223	Solder/5.41	214-1522RP-070
	RG174, 316	Solder/3.25	214-1574RP-070

SMA Straight Crimp Jack (RP)	Cable	Crimp Details	Stock Code
	LMR200	Solder/5.41	214-2020SRP-070
	LMR240	1.72/6.48	214-2044RP-070
	RG58	Solder/6.48	214-2058SRP-070
	RG174, RG188, RG316, LMR100	Solder/3.25	214-2074SRP-070
	RG223	Solder/5.41	214-2022SRP-070

SMA Bulkhead Jack (RP)	Cable	Crimp Details	Stock Code
	LMR240	1.72/6.48	214-2544RP-070
	RG58	solder/6.48	214-2574SRP-070
	RG174/RG316	solder/3.25	214-2558SRP-070

Jack/RP Jack	Plug/RP Plug	Plug/RP Jack	Jack/RP Plug
Stock Code 214-8000RP-070	Stock Code 214-8100RP-070	Stock Code 214-8652RP-070	Stock Code 214-8654RP-070
			

SMB Connectors

**SMB Straight Plug
(Indent crimp)**

Cable	Crimp Details	Stock Code
BT3002	AFM8/4.52	215-1005-002
RG179	AFM8/3.25	215-1004-002
Flex 3/75	AFM8/4.52	215-1043-002

**SMB Straight Plug
(Square crimp)**

Cable	Crimp Details	Stock Code
BT3002	1.2/4.06	215-1305-004
ST212/CT1320	1.2/3.8	215-1312-004
Flex 3/75	1.2/4.52	215-1343-004

**SMB Straight Plug
(Solder)**

Cable	Crimp Details	Stock Code
BT3002	solder/4.52	215-1105-021

**SMB R/A Plug
(Solder)**

Cable	Crimp Details	Stock Code
BT3002	solder/4.52	215-1605-002
RG179	solder/3.25	215-1604-002

**SMB R/A Plug
(Solder)**

Cable	Crimp Details	Stock Code
BT3002	solder/4.06	215-1605-004

**SMB R/A Plug
(Solder)**

Cable	Crimp Details	Stock Code
BT3002	solder/4.52	215-1605-070

**SMB R/A Plug
(Solder)**

Cable	Crimp Details	Stock Code
BT3002	solder/4.52	215-1605-019

SMB J/J Adaptor

Stock Code
215-8000-070

**SMB J/J Bulkhead
Adaptor**

Stock Code
215-8500-070

SMB (75 ohm)/SSMZ/HSMB

**SMB 75 ohm Straight
Plug**

Cable	Stock Code
SYV-75-2-2	216-10S2-070
RG179	216-1004-070

**SMB 75 ohm Straight
Jack**

Cable	Stock Code
SYV-75-2-2	216-20S2-070
RG179	216-2004-070

SSMZ Plug BT3002

Cable	Brand	Stock Code
BT3002	Interface Components	216-1005-002
RA7000	Interface Components	216-1007-002
Huawei Mini Coax (2.2mm)	Interface Components	216-1050-002
Huawei Micro Coax (1.6mm)	Interface Components	216-1051-002

BNC Connectors - Crimp

Crimp Plug	Cable	Brand	Stock Code
	0.25/1.45/2.6 (CPRD)	Interface Components	210-1026-002
	2.5C-2V	Amphenol	210-1025-003
	AT&T735A/Flex 3/75	Interface Components	210-1035-002
	BT2002	Interface Components	210-1002-002
	BT2003	Amphenol	210-1003-003
	BT3002 (3GHz)	Interface Components	210-1005-002
	BT3002 (1GHz)	Interface Components	210-1005EC-002
	BT3002	Amphenol	210-1005-003
	CT100/RG6	Interface Components	210-1010-002
	CT125	Interface Components	210-1065-002
	CT125RBS	Interface Components	210-1065R-002
	Flex 3/75	Amphenol	210-1043-003
	Huawei Micro Coax	Interface Components	210-1051-002
	Huawei Mini Coax	Interface Components	210-1050-002
	LMR195/ RG58	JC70	211-1058-070
	LMR200/3D-FB	JC70	211-1020-070
	LMR240	JC70	211-1044-070
	LMR300/5D-FB	JC70	211-1078S-070
	LMR400/B9913/RG8	JC70	211-1080-070
	RA7000	Amphenol	210-1007-003
	RA7000	Interface Components	210-1007-002
	RA8000	Interface Components	210-1008-002
	RG174, 188A, 316	Interface Components	211-1074-002
	RG179	Interface Components	210-1004-002
	RG179/RA8000	Amphenol	210-1004-003
	RG213	Interface Components	211-1023-002
	RG58/LMR195	Interface Components	211-1058-002
	RG59	Interface Components	210-1009-002
	RG59	Amphenol	210-1009-003
	Saturn	Interface Components	210-1031-002
	ST212/CT1320	Amphenol	210-1012-003

Crimp Plug	Cable	Brand	Stock Code
	Belden 1505A, Draka 0.8/3.7AF	Coax Connectors	210-10FB-002
	Belden 1505F, 59U Quad	Coax Connectors	210-10EG-002
	Belden 1694A, Draka 1.0/4.8AF	Coax Connectors	210-10FC-002
	Belden 1855ENH, Draka 0.6/2.8AF	Coax Connectors	210-10FA-002
	Belden 7731A, Draka 1.6/7.3AF	Coax Connectors	210-10FD-002
	RG179	Coax Connectors	210-10AB-002

These True 75ohm High Definition (3G) BNC's have been developed to meet the ever increasing frequencies and data rates used in Broadcast (surpassing SMPTE 292M & 424M/HD-SDI specifications), Telecoms and HDcctv. Annealed for easy crimping.

BNC Connectors - Crimp

Crimp Plug

Cable	Brand	Stock Code
0.25/1.45/2.6 (CPRD)	CM Coax	210-1026-004
0.4/2.4/4.07	CM Coax	210-1040-004
Flex 3/75	CM Coax	210-1043-004
Flex 5/75	CM Coax	210-1045-004
Flex 6/75	CM Coax	210-1046-004
L910/39	CM Coax	210-1039-004
RG179, Flex 2/75	CM Coax	210-1004-004
ST212/CT1320	CM Coax	210-1012-004
ST214	CM Coax	210-1014-004

QT Plug

Cable	Brand	Stock Code
AT&T 734A	ITT	210-1234-001
AT&T 735A	ITT	210-1235-001
BT3002	ITT	210-1205-001
RG59B/U	ITT	210-1209-001

Crimp Jack

Cable	Brand	Stock Code
BT3002	Amphenol	210-2005-003
RG174, 188A, 316	Interface Components	211-2074-002
RG179, 187A	Interface Components	210-2004-002
RG58, 141A	Interface Components	211-2058-002
RG59	Interface Components	210-2009-002

B/H Jack

Cable	Brand	Stock Code
0.25/1.45/2.6 - Flex 2	CM Coax	210-2526-004
BT2003	Amphenol	210-2503-003
BT3002	Amphenol	210-2505-003
RA7000	Amphenol	210-2507-003
RA8000/Flex 2	Interface Components	210-2508-002
RG174	Interface Components	211-2574-002
RG179/RA8000	Amphenol	210-2504-003
RG58	Interface Components	211-2558-002
RG59	Interface Components	210-2509-002
Saturn	Amphenol	210-2531-003
ST212	CM Coax	210-2512-004

BNC Connectors - Clamp

BNC Clamp Plug**Cable**

LMR400

RG58

RG59

RG59

RG174, RG316

RG213

SYV-75-2-2

Stock Code

211-1180-070

211-1158-070

210-1159-002

210-1159-070

211-1174-070

211-1123-070

210-11S2-070

BNC Right-Angled Clamp Plug**Cable**

LMR400

Stock Code

211-1680-070

BNC Clamp Jack**Cable**

RG58

RG174, RG316

Stock Code

211-2158-070

211-2174-070

BNC Clamp Bulkhead Jack**Cable**

RG174, RG316

Stock Code

211-2674-070

BNC Adaptors

J/J Adaptor

Impedance

Brand

Stock Code

75 ohm

Amphenol

210-8000-003

50 ohm

Amphenol

211-8000-003

**Bulkhead J/J Adaptor**

Impedance

Brand

Stock Code

75 ohm

Amphenol

210-8500-003

50 ohm

Amphenol

211-8500-003

**Bulkhead J/J Adaptor Insulated**

Impedance

Brand

Stock Code

75 ohm

Amphenol

210-8550-003

50 ohm

Amphenol

211-8550-003

**P/P Adaptor**

Impedance

Brand

Stock Code

75 ohm

Amphenol

210-8100-003

50 ohm

Amphenol

211-8100-003

**T Adaptor J/J/J**

Impedance

Brand

Stock Code

75 ohm

Amphenol

210-8200-003

50 ohm

Amphenol

211-8200-003

**T Adaptor J/P/J**

Impedance

Brand

Stock Code

75 ohm

Amphenol

210-8300-003

50 ohm

Amphenol

211-8300-003



BNC Adaptors

T Adaptor J/J/P	Impedance	Brand	Stock Code
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75 ohm	Amphenol	210-8250-003
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T Adaptor J/J/J	Impedance	Brand	Stock Code
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75 ohm	CM Coax	210-LTR07901-004
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R/A Adaptor J/P	Impedance	Brand	Stock Code
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75 ohm	Amphenol	210-8400-003
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50 ohm	Interface Components	211-8400-002
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BNC Terminator	Impedance	Brand	Stock Code
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75 ohm	Amphenol	210-5000-003
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50 ohm	Amphenol	211-5000-003
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TNC

TNC Straight Crimp Plug

Cable	Crimp Detail	Stock Code
RG58	1.72/5.41	213-1058-002
RG58	1.72/5.41	213-1058-070
RG59	1.72/6.50	213-1009-002
RG59	Solder/6.48	213-1009-002
RG213	2.54/10.9	213-1023-070
RG214	2.54/10.9	213-1024-002
RG223	1.72/5.41	213-1022-070
RG223	1.72/5.41	213-1022-002
LMR240	1.72/6.50	213-1044-002
LMR240	Solder/6.48	213-1044-070
LMR300	Solder/7.9	213-1078S-070
LMR400	2.95/10.9	213-1080K-053
LMR400	2.54/10.9	213-1080K-070

TNC Straight Crimp Plug (Hex Nut Coupling)

Cable	Crimp Detail	Stock Code
LMR400	3.25/10.9	213-1080-002

TNC Right-Angled Crimp Plug

Cable	Crimp Detail	Stock Code
RG58	Solder/5.41	213-1558-070
RG214	Solder/10.5	213-1524-088
RG223	Solder/5.41	213-1522-070
LMR300	Solder/7.8	213-1578-088
LMR400	Solder/10.9	213-1580K-070

TNC Right-Angled Crimp Plug (Hex Nut Coupling)

Cable	Crimp Detail	Stock Code
RG213	Solder/10.9	213-1523-002
RG214	Solder/10.9	213-1524-002

TNC Crimp Jack

Cable	Crimp Detail	Stock Code
LMR240, 4D-FB	1.72/6.48	213-2044-070
LMR300	Solder/7.9	213-2078S-070
LMR400	Solder/10.9	213-2080S-070
LMR400	2.54/10.9	213-2080-088
RG58, 58A, 141A, LMR195	1.72/5.41	213-2058-002
RG58	1.72/5.41	213-2058-070
RG174, 188A, 316, LMR100	1.72/5.41	213-2074-002
RG174, 316	1.07/3.25	213-2074-070

TNC

TNC Straight Clamp Plug 	Cable	Stock Code
	RG58/LMR195	213-1158-070
	RG213/RG214	213-1123-021
	RG223	213-1122-070
	LMR300	213-1178-070
	LMR400	213-1180-070
	LMR600	213-1160-070

TNC Right-Angled Clamp Plug 	Cable	Stock Code
	RG58	213-1658-070
	RG213/214	213-1623K-021
	RG223	213-1622-070
	LMR240	213-1644K-070
	LMR300/5D-FB	213-1678-070
	LMR400	213-1680-070

J/J Straight	P/P Straight	J/P Straight
Stock Code 213-8000	Stock Code 213-8100	Stock Code 213-8650
		

J/P Right-Angle	J/P/J T-Adaptor	J/J/J T-Adaptor
Stock Code 213-8400	Stock Code 213-8300	Stock Code 213-8200
		

PHOTO TO FOLLOW

J/J Bulkhead
Stock Code 213-8500


TNC Reverse Polarity

	TNC RP Crimp Straight Plug	Cable	Crimp Detail	Stock Code
		LMR240	solder/6.48	213-1044SRP-070
		LMR400	2.95/10.90	213-1080RP-053
		LMR400	solder/10.9	213-1080SRP-070
		RG142, RG223, RG400	1.69/5.41	213-1022RP-053
		RG142, RG223, RG400	solder/5.41	213-1022SRP-070
		RG174, RG188, RG316	solder/3.25	213-1074SRP-070
		RG188, RG316, LMR100	solder/5.41	213-1074SRP-053
		RG58, LMR195, URM43	1.69/5.41	213-1058RP-053
		RG58, LMR195, URM43	solder/5.41	213-1058SRP-070

	TNC RP Crimp Straight Jack	Cable	Crimp Detail	Stock Code
		LMR240	solder/6.48	213-2044SRP-070
		RG142, RG223, RG400	1.69/5.41	213-2022RP-053
		RG174, RG188, RG316, LMR100	1.69/5.41	213-2074RP-053
		RG174, RG188, RG316, LMR100	1.06/3.25	213-2074RP-070
		RG58, LMR195, URM43	1.69/5.41	213-2058RP-053

	TNC RP Crimp Bulkhead Jack	Cable	Crimp Detail	Stock Code
		LMR195, URM43	1.69/5.41	213-2558RP-053
		LMR240	solder/6.48	213-2544SRP-070
		RG142, RG223, RG400	1.69/5.41	213-2522RP-053
		RG142, RG223, RG400	solder/5.41	213-2522SRP-070
		RG174, RG188, RG316, LMR100	1.69/5.41	213-2574RP-053
		RG174, RG188, RG316, LMR100	solder/3.25	213-2574SRP-070
		RG58, LMR195, URM43	solder/5.41	213-2558SRP-070

	TNC RP Right-Angled Crimp Plug	Cable	Crimp Detail	Stock Code
		LMR240	solder/6.48	213-1544RP-070
		RG58, LMR195	solder/5.41	213-1558RP-070
		RG174, RG188, RG316, LMR100	solder/3.25	213-1574RP-070

M4 Male Crimp (Black Boot)	Cable	Crimp Detail	Model	Stock Code
	BT3002/TZC75024	see table (page 1.30)	RPT 148 102/2	225-1005-030
	TZC75005	see table (page 1.30)	RPT 148 101/2	225-1075-030
	RA8000/TZC7522201	see table (page 1.30)	RPT 148 104/2	225-1008-030

M4 Male Crimp (Blue Boot)	Cable	Crimp Detail	Model	Stock Code
	BT3002/TZC75024	1.72/4.52	RPT 148 102/2	225-1005-021
	RA8000/TZC7522201	1.72/3.25	RPT 148 104/2	225-1008-021
	ST212/CT1302	1.72/4.52	-	225-1012-021

M4 Male Crimp (Black Heatshrink)	Cable	Crimp Detail	Model	Stock Code
	BT3002	Solder/4.52mm	RPT 148 102/2	225-1005-088
	BT3002	1.09mm/4.75mm	RPT 148 102/2	225-1005C-088
	RA8000	Solder/3.5mm	RPT 148 104/2	225-1008-088
	RA8000	1.09mm/3.5mm	RPT 148 104/2	225-1008C-088
	ST212/CT1320	1.09mm/4.52mm	-	225-1012-088

M4 Male Solder (Black Boot)	Cable	Assembly Detail	Model	Stock Code
	BT3002/TZC75024/ TZC75024	solder/solder	RPT 148 02/2	225-1105-030

M4 Female Crimp (Black Heatshrink)	Cable	Crimp Detail	Model	Stock Code
	BT3002/TZC75024	see table (page 1.30)	RNT 148 102/2	225-2005-030
	TZC75005	see table (page 1.30)	RNT 148 101/2	225-2075-030
	RA8000/TZC7522201	see table (page 1.30)	RNT 148 104/2	225-2008-030

M4 Female Crimp (Black Heatshrink)	Cable	Crimp Detail	Model	Stock Code
	BT3002	Solder/4.52mm	RNT 148 102/2	225-2005-088
	BT3002	1.09mm/4.52mm	RNT 148 102/2	225-2005C-088
	RA8000	Solder/3.5mm	RNT 148 104/2	225-2008-088

M4 Female Solder (Black Heatshrink)	Cable	Assembly Detail	Model	Stock Code
	BT3002/TZC75024/ TZC75024	solder/solder	RNT 148 02/2	225-2105-030

Ericsson M4

U Link
without monitor port

Model	Stock Code
RPT 167 01/9	225-7050-030



U Link
with monitor port

Model	Stock Code
RPT 167 01	225-7150-030



U Link
with monitor port

Model	Stock Code
RPT 162 02	225-7060-069



U Link
without monitor port

Model	Stock Code
RNT 208 01	225-7000-030



U Link
with monitor port

Model	Stock Code
RNT 208 02	225-7100-030



M4 Plug Tester

Model	Stock Code
RNT 208 02	225-100A-030



BMF Baluns	Description	Stock Code
	Standard Balun BMF 904 01	225-BMF90401
	Balun with DC-barrier BMF 904 02	225-BMF90402
	Balun with overvoltage protection BMF 904 03	225-BMF90403
	Balun with DC-barrier and overvoltage protection BMF 904 04	225-BMF90404

Hand tool kit for M4 connectors RNT 148 and RPT 148
Stock Code 901-M4ToolKit



- Contents**
- M22520/5-01 (HX4) - 1pc hand tool for braid crimping
 - Y1601 - 1pc crimp die for braid crimping
 - M22520/2-01 (AFM8) - 1pc hand tool for inner conductor crimping
 - K970 - 1pc crimp positioner for M4 male inner conductor
 - K998-1 - 1pc crimp positioner for M4 female inner conductor
 - 1pc mounting tool for hand tool for braid crimping
 - 1pc cable stripper
 - 1pc calibrating tool

Ericsson M4 Official Tooling

Connector	Cable	Inner Pin	Outer Contact
RNT 148 101	TZC 750 05	AFM8 + K998-1 (setting 6)	HX4 + Y1601 (0.256")
RNT 148 102	TZC 750 24	AFM8 + K998-1 (setting 6)	HX4 + Y1601 (0.168")
RNT 148 104	TZC 752 2201	-	-
RNT 148 107	TZC 750 24	AFM8 + K998-1 (setting 6)	HX4 + Y1601 (0.168")
RPT 148 101	TZC 750 05	AFM8 + K970 (setting 6)	HX4 + Y1601 (0.256")
RPT 148 102	TZC 750 24	AFM8 + K970 (setting 6)	HX4 + Y1601 (0.168")
RPT 148 104	TZC 752 2201	-	-

UHF / Mini-UHF

UHF Crimp/Crimp Plug	Cable	Stock Code
	RG58	255-1058-002
	RG59	255-1059-002

UHF Solder/Clamp Plug	Cable	Stock Code
	RG58	255-1158-002
	RG59	255-1159-002
	RG213 (PL-259)	255-1123-002
	RG214	255-1124-002

UHF J/J Adaptor	Stock Code
	255-8000-002

UHF P/P Adaptor	Stock Code
	255-8100-070

UHF J/P/J T-Adaptor	Stock Code
	255-8300-002

UHF Bulkhead J/J Adaptor	Stock Code
	255-8500-002

Mini UHF Crimp/Crimp Plug	Cable	Stock Code
	RG223, RG142, RG400	256-1022-053
	RG174, URM188, RG316, LMR100	256-1074-053
	RG58, URM43, LMR195	256-1058-053

Mini UHF Crimp/Crimp Jack	Cable	Stock Code
	RG223, RG142, RG400	256-2022-053
	RG58, URM43, LMR195	256-2058-053

Mini UHF Crimp/Crimp Bulkhead Jack	Cable	Stock Code
	RG223, RG142, RG400	256-2522-053
	RG174, URM188, RG316, LMR100	256-2574-053
	RG58, URM43, LMR195	256-2558-053

N Types - Crimp

N Type Straight Crimp Plug

Cable	Crimp Detail	Stock Code
RG6	Solder/7.49	220-1010S-070
RG58	1.72/5.41	220-1058-070
RG59	1.72/6.50	220-1059-070
RG213	2.54/10.9	220-1023-070
RG214	2.54/10.9	220-1024-070
RG223	2.54/6.50	220-1022-002
RG223	Solder/5.41	220-1022S-070
LMR200/3D-FB	Solder/5.41	220-1020S-070
LMR240	1.72/6.48	220-1044-070
LMR300	Solder/7.9	220-1078S-070
LMR400	3.25/10.9	220-1080K-070

N Type Straight Crimp Plug EZ-Fit

Cable	Crimp Detail	Stock Code
LMR400	EZ Fit/10.9	220-1080EZ-070

N Type Right-Angled Crimp Plug

Cable	Crimp Detail	Stock Code
RG58	Solder/5.41	220-1558-070
RG142	Solder/5.41	220-15AU-070
RG213	Solder/10.9	220-1523-070
RG214	Solder/10.9	220-1524-070
RG223	Solder/5.41	220-1522-070
LMR240	Solder/5.41	220-1544-070
LMR400	Solder/10.9	220-1580K-070

N Type Straight Crimp Free Jack

Cable	Crimp Detail	Stock Code
RG58	1.72/5.41	220-2058-070
RG213	2.54/10.9	220-2023-002
RG213	3.25/10.9	220-2023-070
RG214	2.54/10.9	220-2024-070
RG223	2.54/6.50	220-2022-002
RG223	1.72/5.41	220-2022-070
RG223	solder/5.54	220-2022S-088
LMR300/5D-FB	solder/7.9	220-2078S-070
LMR400	3.25/10.9	220-2080-070

N Type Straight Crimp Bulkhead Jack

Cable	Crimp Detail	Stock Code
RG58	1.72/5.41	220-2558-070
RG214	Solder/10.9	220-2524S-070
RG214	2.95/10.9	220-2524-053
RG223	2.54/6.50	220-2522-002
RG223	1.72/5.41	220-2522-070
LMR240/4D-FB	Solder/6.48	220-2544S-070
LMR400	Solder/10.9	220-2580S-070
LMR400	2.95/10.9	220-2580-053

N Types - Clamp

N Type Straight Clamp Plug 	Cable	Stock Code
	RG58	220-1158-070
	RG213	220-1123-070
	RG214	220-1124-070
	RG223	220-1122-070
	LMR300/5D-FB	220-1178-070
	LMR300 EZ-Fit*	220-1178EZ-070
	LMR400	220-1113-070
	LMR400 EZ Fit*	220-1113EZ-070
	LMR600	220-1160-070
	LMR600 EZ Fit*	220-1160EZ-002
	8D-FB	220-118D-070

*EZ-Fit pin requires no soldering or crimping

N Type Right-Angled Clamp Plug 	Cable	Stock Code
	RG58	220-1658-070
	RG213	220-1623-070
	RG214	220-1624-070
	RG223	220.1622-070
	LMR300	220-1678-070
	LMR400	220-1680K-070

N Type Straight Clamp Free Jack 	Cable	Stock Code
	RG58	220-2158-070
	RG213	220-2123-070
	RG214	220-2124-070
	LMR300/5D-FB	220-2178-070
	LMR400	220-2180-070

Plug Termination 1W 	Stock Code
	220-5000-070

N Type Cap & Chain 	Stock Code
	220-5501-070

N Type - Adaptors

J/J Straight

Stock Code 220-8000



P/P Straight

Stock Code 220-8100



J/P Straight

Stock Code 220-8650



J/P Right-Angle

Stock Code 220-8400



J/J Right-Angle

Stock Code 220-8430



P/J/P T-Adaptor

Stock Code 220-8270



J/P/J T-Adaptor

Stock Code 220-8300



J/J/J T-Adaptor

Stock Code 220-8200



J/J Bulkhead

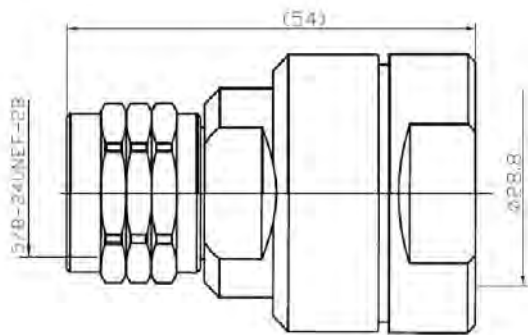
Stock Code 220-8500



N Types (Feeder Cables)

N Type Straight Plug
For 7/8" Cable

Stock Code 220-N-J78



Electrical

Characteristic Impedance	50 ohm
Frequency Range	DC-3GHz
VSWR	≤1.10
Dielectric Withstanding Voltage	≥2500V RMS,50Hz, sea level
Dielectric Resistance	≥5000MΩ
Contact Resistance Center Contact	≤1.0mΩ
Contact Resistance Outer Contact	≤0.25mΩ

Mechanical

Durability Mating cycles	≥500
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Material and Plating

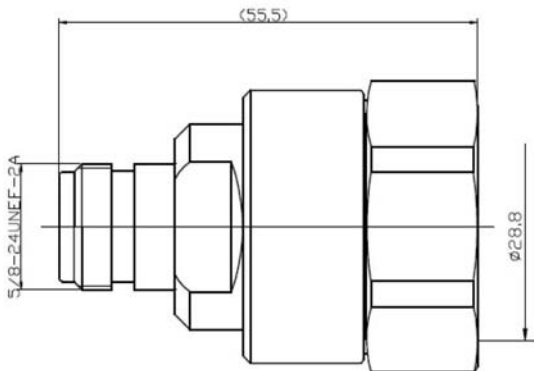
	Material	Plating
Body	Brass	Ni or Tri-alloy
Insulator	PTFE	-
Centre Conductor	Brass/phosphor bronze	Au or Ag

Enviromental

Temperature Range °C	-40 ~ +85
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N Type Straight Jack
For 7/8" Cable

Stock Code 220-N-K78-A



Electrical

Characteristic Impedance	50 ohm
Frequency Range	DC-3GHz
VSWR	≤1.15
Dielectric Withstanding Voltage	≥2500V RMS,50Hz, sea level
Dielectric Resistance	≥5000MΩ
Contact Resistance Center Contact	≤1.0mΩ
Contact Resistance Outer Contact	≤0.25mΩ

Mechanical

Durability Mating cycles	≥500
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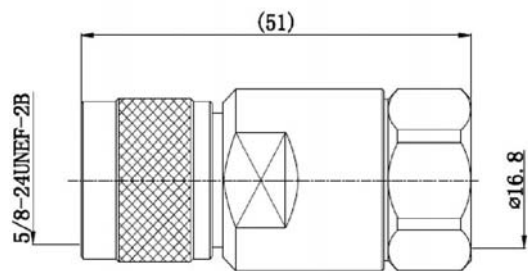
Material and Plating

	Material	Plating
Body	Brass	Ni or Tri-alloy
Insulator	PTFE	-
Centre Conductor	Brass/phosphor bronze	Au or Ag

Enviromental

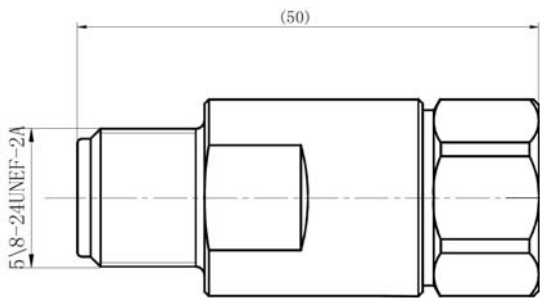
Temperature Range °C	-40 ~ +85
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N Type Straight Plug
For 1/2" Cable



Stock Code	220-N-J12-2A	
Electrical		
Characteristic Impedance	50 ohm	
Frequency Range	DC-2.5GHz	
VSWR	≤1.10	
Dielectric Withstanding Voltage	≥1500V RMS,50Hz, sea level	
Dielectric Resistance	≥5000MΩ	
Contact Resistance Center Contact	≤1.0mΩ	
Contact Resistance Outer Contact	≤0.25mΩ	
PIM	≤-150dBc(2*20W)	
Mechanical		
Durability Mating cycles	≥500	
Material and Plating		
	Material	Plating
Body	Brass	Ni or Tri-alloy
Insulator	PTFE	-
Centre Conductor	Brass/phosphor bronze	Au or Ag
Enviromental		
Temperature Range °C	-40 ~ +85	

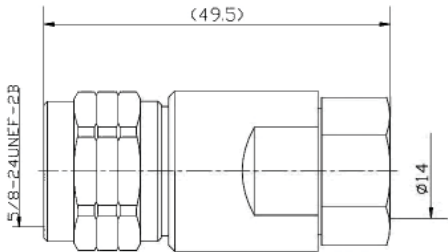
N Type Straight Jack
For 1/2" Cable



Stock Code	220-N-K12	
Electrical		
Characteristic Impedance	50 ohm	
Frequency Range	DC-3GHz	
VSWR	≤1.22	
Dielectric Withstanding Voltage	≥2500V RMS,50Hz, sea level	
Dielectric Resistance	≥5000MΩ	
Contact Resistance Center Contact	≤1.0mΩ	
Contact Resistance Outer Contact	≤1.0mΩ	
PIM	≤-150dBc(2*20W)	
Mechanical		
Durability Mating cycles	≥500	
Material and Plating		
	Material	Plating
Body	Brass	Ni or Tri-alloy
Insulator	PTFE	-
Centre Conductor	Brass/phosphor bronze	Ag
Enviromental		
Temperature Range °C	-40 ~ +85	

N Types (Feeder Cables)

N Type Straight Plug
For Superflexible 1/2" Cable



Stock Code 220-N-J12S

Electrical

Characteristic Impedance	50 ohm
Frequency Range	DC-3GHz
VSWR	≤1.12
Dielectric Withstanding Voltage	≥2500V RMS,50Hz,at sea level
Dielectric Resistance	≥5000MΩ
Contact Resistance Center Contact	≤1.0mΩ
Contact Resistance Outer Contact	≤0.25mΩ

Mechanical

Durability Mating cycles	≥500
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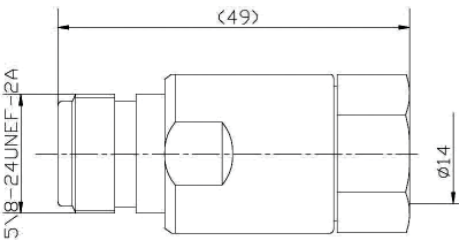
Material and Plating

	Material	Plating
Body	Brass	Ni or Tri-alloy
Insulator	PTFE	-
Centre Conductor	Brass/phosphor bronze	Ag

Enviromental

Temperature Range °C	-40 ~ +85
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N Type Straight Jack
For Superflexible 1/2" Cable



Stock Code 220-N-K12S

Electrical

Characteristic Impedance	50 ohm
Frequency Range	DC-3GHz
VSWR	≤1.15
Dielectric Withstanding Voltage	≥2500V RMS,50Hz,at sea level
Dielectric Resistance	≥5000MΩ
Contact Resistance Center Contact	≤1.0mΩ
Contact Resistance Outer Contact	≤0.25mΩ

Mechanical

Durability Mating cycles	≥500
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Material and Plating

	Material	Plating
Body	Brass	Ni
Insulator	PTFE	-
Centre Conductor	Phosphor bronze	Ag

Enviromental

Temperature Range °C	-40 ~ +85
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7/16 - Braided Cables

7/16 Crimp Plug	Cable	Crimp Detail	Stock Code
	RG213	solder/10.9	276-1023-088
	RG214	solder/10.9	276-1024-088

7/16 Crimp Plug EZ Fit	Cable	Crimp Detail	Stock Code
	RG8/LMR400	EZ/10.9	276-1080EZ-070

7/16 Clamp Plug	Cable	Stock Code
	RG213	276-1123-088

7/16 Right-Angled Crimp Plug	Cable	Crimp Detail	Stock Code
	RG213	solder/10.9	276-1523-088

7/16 Crimp Jack	Cable	Crimp Detail	Stock Code
	RG214	solder/10.9	276-2024-088

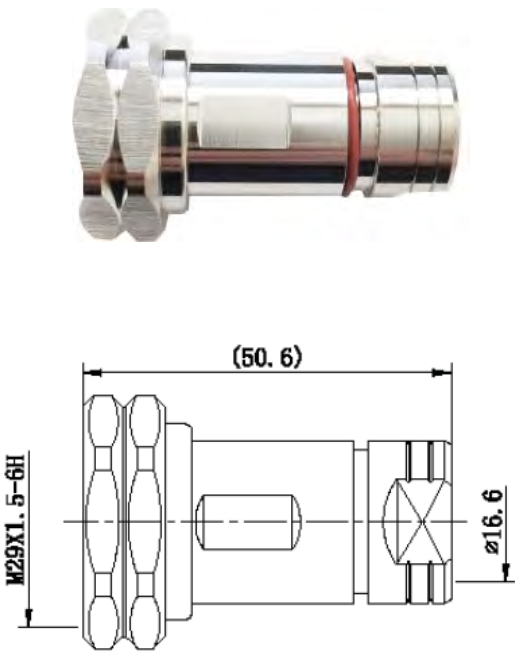
7/16 Clamp Jack	Cable	Stock Code
	RG213	276-2123-070
	RG8/LMR400	276-2180-088

7/16 Right-Angled Adaptor M/F	7/16 Adaptor Bulkhead M/F	Adaptor 7/16 F/F
Stock Code 276-8400-088	Stock Code 276-8600-088	Stock Code 290-8000-070



7/16 (Feeder Cables)

7/16 Straight Male
for 1/2" Cable



Stock Code 276-716M-12

Electrical

Characteristic Impedance	50 ohm
Frequency Range	DC-3GHz
VSWR	≤1.10
Dielectric Withstanding Voltage	≥40kV RMS,50Hz, sea level
Dielectric Resistance	≥10000MΩ
Contact Resistance Center Contact	≤0.4mΩ
Contact Resistance Outer Contact	≤1.5mΩ
PIM3	≤-155dBc(2*20W)

Mechanical

Durability Mating cycles	≥500
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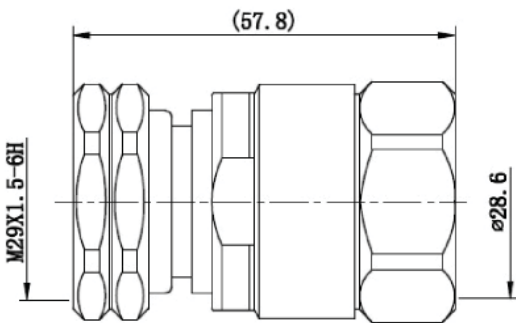
Material and Plating

	Material	Plating
Body	Brass	Tri-alloy
Insulator	PTFE	-
Centre Conductor	Brass	Ag
Other	Brass	Ni

Enviromental

Temperature Range °C	-40 ~ +85
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7/16 Straight Male
for 7/8" Cable



Stock Code 276-716M-78

Electrical

Characteristic Impedance	50 ohm
Frequency Range	DC-3GHz
VSWR	≤1.10
Dielectric Withstanding Voltage	≥40kV RMS,50Hz, sea level
Dielectric Resistance	≥10000MΩ
Contact Resistance Center Contact	≤0.4mΩ
Contact Resistance Outer Contact	≤1.5mΩ
PIM3	≤-155dBc(2*20W)

Mechanical

Durability Mating cycles	≥500
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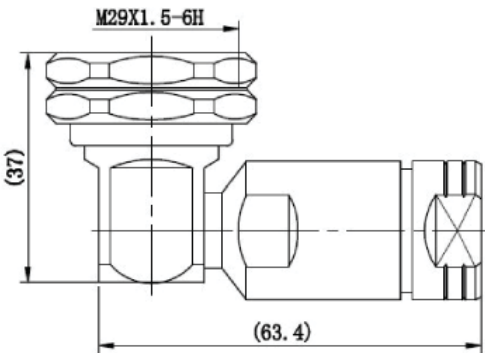
Material and Plating

	Material	Plating
Body	Brass	Tri-alloy
Insulator	PTFE	-
Centre Conductor	Brass	Ag
Other	Brass	Ni

Enviromental

Temperature Range °C	-40 ~ +85
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7/16 Right-Angled Plug
for 1/2" Cable



Stock Code 276-MW-12

Electrical

Characteristic Impedance	50 ohm
Frequency Range	DC-2.5GHz
VSWR	≤1.10
Dielectric Withstanding Voltage	≥40kV RMS,50Hz, sea level
Dielectric Resistance	≥10000MΩ
Contact Resistance Center Contact	≤0.4mΩ
Contact Resistance Outer Contact	≤1.5mΩ
PIM3	≤-155dBc(2*20W)

Mechanical

Durability Mating cycles	≥500
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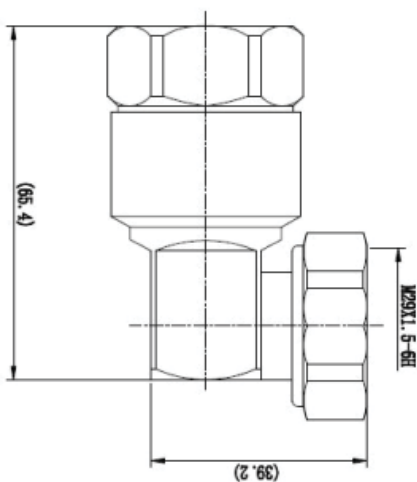
Material and Plating

	Material	Plating
Body	Brass	Tri-alloy
Insulator	PTFE	-
Centre Conductor	Brass/phosphor bronze	Ag
Other	Brass	Ni

Enviromental

Temperature Range °C	-40 ~ +85
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7/16 Right-Angled Plug
for 7/8" Cable



Stock Code 276-JWA78-RC

Electrical

Characteristic Impedance	50 ohm
Frequency Range	DC-2.5GHz
VSWR	≤1.20
Dielectric Withstanding Voltage	≥40kV RMS,50Hz, sea level
Dielectric Resistance	≥10000MΩ
Contact Resistance Center Contact	≤0.4mΩ
Contact Resistance Outer Contact	≤1.5mΩ
PIM3	≤-150dBc(2*20W)

Mechanical

Durability Mating cycles	≥500
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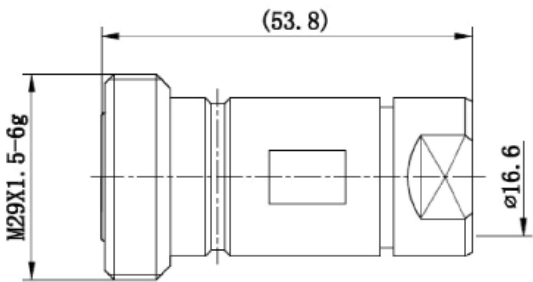
Material and Plating

	Material	Plating
Body	Brass	Tri-alloy
Insulator	PTFE	-
Centre Conductor	Brass	Ag
Other	Brass	Ni

Enviromental

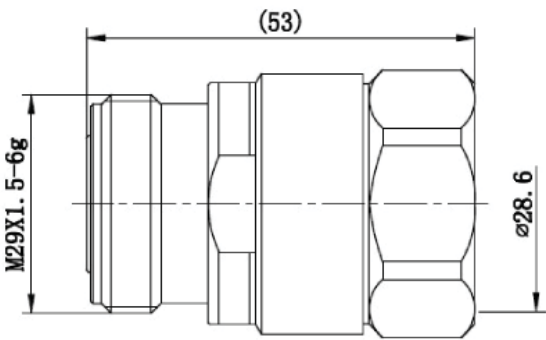
Temperature Range °C	-40 ~ +85
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7/16 Straight Female
for 1/2" Cable



Stock Code		276-716F-12	
Electrical			
Characteristic Impedance		50 ohm	
Frequency Range		DC-3GHz	
VSWR		≤1.10	
Dielectric Withstanding Voltage		≥40kV RMS,50Hz, sea level	
Dielectric Resistance		≥10000MΩ	
Contact Resistance Center Contact		≤0.4mΩ	
Contact Resistance	Outer Contact	≤1.5mΩ	
PIM3		≤-155dBc(2*20W)	
Mechanical			
Durability Mating cycles		≥500	
Material and Plating			
	Material	Plating	
Body	Brass	Tri-alloy	
Insulator	PTFE	-	
Centre Conductor	Brass	Ag	
Enviromental			
Temperature Range °C		-40 ~ +85	

7/16 Straight Female
for 7/8" Cable



Stock Code		276-716F-78
Electrical		
Characteristic Impedance	50 ohm	
Frequency Range	DC-3GHz	
VSWR	≤1.10	
Dielectric Withstanding Voltage	≥40kV RMS,50Hz, sea level	
Dielectric Resistance	≥10000MΩ	
Contact Resistance Center Contact	≤0.4mΩ	
Contact Resistance Outer Contact	≤1.5mΩ	
PIM3	≤-155dBc(2*20W)	
Mechanical		
Durability Mating cycles	≥500	
Material and Plating		
	Material	Plating
Body	Brass	Tri-alloy
Insulator	PTFE	-
Centre Conductor	Phosphor Bronze	Ag
Other	Brass	Ni
Environmental		
Temperature Range °C	-40 ~ +85	

Description	Connector	Huawei Mini Coax SYFVZP-LC-75-1-1x16	Huawei Micro Coax SYFVZP-MC-75-1-1x32
		Stock Code	
BT43 Plug (Crimp)		201-5050-002	
BT43 Plug (QT)		201-5231-001	
BT43 Socket (Crimp)		201-6650-002	
BT43 Socket (QT)		201-6231-001	
HDC43 Plug (Crimp)		202-5050-002	
HDC43 Plug (QT)		202-5231-001	
HDC43 Socket (Crimp)		202-6650-002	
UHDC43 Plug (Crimp)		203-5050-002	
BNC Plug (Crimp)		210-1050-002	210-1051-002
SSMZ Plug BT3002		216-1050-002	216-1051-002

Between Series Adaptors

BNC Plug - BT43 Plug Stock Code 290-5001-002 	BNC Plug - 1.6/5.6 Jack Stock Code 290-5002-021 	BNC Plug - BT43 Socket Stock Code 290-5003-031 	BNC Jack - 1.6/5.6 Plug Stock Code 290-5005-070 	BNC Plug - 1.6/5.6 Plug Stock Code 290-5007-004 
BNC Jack - 1.6/5.6 Jack Stock Code 290-5009-004 	BNC Plug to TNC Plug Stock Code 290-5014-070 	BNC Jack to TNC Plug Stock Code 290-5015-053 	1.0/2.3 Plug - 1.6/5.6 Plug Stock Code 290-5018-004 	1.0/2.3 Plug - BNC Jack Stock Code 290-5019-004 
BNC Plug - 1.0/2.3 Jack Stock Code 290-5020-004 	BNC Plug - N Type Jack Stock Code 290-5022-002 	BNC Plug - F Jack Stock Code 290-5023-002 	BNC Jack - F Plug Stock Code 290-5024-002 	BNC Jack - 1.0/2.3 Jack Stock Code 290-5025-004 
N Type Plug to SMA Jack Stock Code 290-5027-070 	N Type Jack to SMA Plug Stock Code 290-5028-070 	BNC Jack to N Plug Stock Code 290-5030-070 	SMA Plug - BNC Jack Stock Code 290-5032-070 	SMA Plug - N Type Plug Stock Code 290-5035-070 
SMA Jack to N Type Jack Stock Code 290-5036-070 	BNC Plug - M4 Plug Stock Code 290-5040-031 	BNC Plug - M4 Socket Stock Code 290-5041-031 	BNC Plug - N Type Plug Stock Code 290-5042-070 	BNC Jack - N Type Jack Stock Code 290-5043-070 

Between Series Adaptors

QMA Plug to BNC Jack Stock Code 290-5044-070 	BNC Jack - SMB Plug Stock Code 290-5046-070 	QMA Plug to N Type Jack Stock Code 290-5047-070 	UHF Plug - BNC Jack Stock Code 290-5060-002 	7/16 Jack to N Type Plug Stock Code 290-5070-070 
7/16 Jack to N Type Jack Stock Code 290-5071-070 	7/16 Plug to N Type Plug Stock Code 290-5072-070 	N Type Jack to 7/16 Plug Stock Code 290-5075-070 	UHF Female to N Male Stock Code 290-5080-070 	UHF Plug to N Type Jack Stock Code 290-5081-070 
F Jack to N Type Plug (50 ohm) Stock Code 290-5082-070 	N Type Plug - TNC Plug Stock Code 290-5083-070 	BNC Plug - RCA Jack Stock Code 290-5085-054 	BNC Jack - RCA Plug Stock Code 290-5086-054 	BNC Jack to N Type Jack BH Stock Code 290-5087-070 
TNC Plug to N Type Jack Stock Code 290-5089-070 	TNC Jack to N Jack Stock Code 290-5090-070 	F Type Jack to N Jack (75 ohm) Stock Code 290-5091-070 	F Type Plug to N Jack (75 ohm) Stock Code 290-5092-070 	FME Jack to SMA Jack Stock Code 290-5094N-104 
SMA Jack to SMB Jack Stock Code 290-5095-070 	SMA Jack to SMB Plug Stock Code 290-5096-070 	SMA Plug to SMB Plug Stock Code 290-5097-070 	SMA Plug to SMB Jack Stock Code 290-5098-070 	SMA Jack to MBX (C4.9) Plug Stock Code 290-5099-070 

F Type Plug to BNC Plug

Stock Code 290-5108-070



F Type Jack to BNC Jack

Stock Code 290-5109-070



Between Series Adaptors - Reverse Polarity

N Type Jack - SMA RP Male

Stock Code 290-5110-070



N Type Plug - TNC RP Jack

Stock Code 290-5112-070



N Type Plug - TNC RP Plug

Stock Code 290-5113-070



**TNC Male/Female GDT
Lighting Arrester (DC-3GHz) 230v**


75v, 90v & 150v also available

Stock Code	213-JKYP
Characteristic Impedance	50 ohm
VSWR	DC-3GHz
Insertion Loss	≤1.18
Dielectric Resistance	≥5000MΩ
Contact Resistance Center Contact	≤1.0mΩ
Outer Contact	≤1mΩ
Peak Discharge Current(KA)	10/20
Initial Discharge Voltage(V)	75/90/150/230
Peak Power(W)	200

**N Male/Female B/H GDT
Lighting Arrester (DC-3GHz) 230v**


75v, 90v & 150v also available

Stock Code	220-JKYP
Characteristic Impedance	50 ohm
VSWR	DC-3GHz
Insertion Loss	≤1.18
Dielectric Resistance	≥5000MΩ
Contact Resistance Center Contact	≤1.0mΩ
Outer Contact	≤1mΩ
Peak Discharge Current(KA)	10/20
Initial Discharge Voltage(V)	75/90/150/230
Peak Power(W)	200

**N Female/Female B/H GDT
Lighting Arrester (DC-3GHz) 230v**


75v, 90v & 150v also available

Stock Code	220-KKY-1-01
Characteristic Impedance	50 ohm
VSWR	DC-3GHz
Insertion Loss	≤1.18
Dielectric Resistance	≥5000MΩ
Contact Resistance Center Contact	≤1.0mΩ
Outer Contact	≤1mΩ
Peak Discharge Current(KA)	10/20
Initial Discharge Voltage(V)	75/90/150/230
Peak Power(W)	200

DIN Male to Female Lighting Arrestor
(Quarter Wave Type) 276-JKYP-5A

Stock Code 276-JKYP-5A



DIN Female to Female Lighting Arrestor
(Quarter Wave Type)

Stock Code 276-KKYP-1



Electrical		
Characteristic Impedance	50ohm	
Frequency Range	0.69-2.7GHz	
VSWR	2.1-10MHz	<1.10
	0.698-0.8GHz	<1.20
	0.8-0.96GHz	<1.10
	1.70-2.75GHz	<1.19
Insertion Loss	2.1-10MHz	<0.1dB
	698-2150MHz	<0.1dB
PIM	<155dBc (900/1800/2100/2700MHz)	
Contact Resistance	Inner Conductor	<0.4m ohm
	Outer Conductor	<0.2m ohm
Max Permission	2550W	
Nominal Discharge Voltage	150V	
Discharge Capacity (kA@8/20 μ S)	20kA	
Mechanical Durability		
Mating Cycles	>500	
Material and Plating		
	Material	Plating
Body	Brass	Tr-Alloy
Insulator	Teflon	-
Centre Conductor	Phoshor Bronze	Ag
Enviromental		
Temperature	-40 °C ~ +85 °C	
Water Proof	IP68	

Loads - N Type Termination Load (Dummy Load)

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	220-TE-1W-3GNM	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	N-Male (Female also available)	Radiator	Aluminium,RoHS,IP65
	Power	1W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	220-TE-2W-3GNM	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	N-Male (Female also available)	Radiator	Aluminium,RoHS,IP65
	Power	2W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	220-TE-5W-3GNM	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	N-Male (Female also available)	Radiator	Aluminium,RoHS,IP65
	Power	5W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	220-TE-10W-3GNM	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	N-Male (Female also available)	Radiator	Aluminium,RoHS,IP65
	Power	10W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	220-TE-10W-3GNMQ	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	N-Male (Female also available)	Radiator	Aluminium,RoHS,IP65
	Power	10W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	220-TE-20W-3GNM	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	N-Male (Female also available)	Radiator	Aluminium,RoHS,IP65
	Power	20W (Average)	Annotation	Indoor/Outdoor Use

N Type Termination Loads (Dummy Load)

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	220-TE-25W-3GNM	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	N-Male (Female also available)	Radiator	Aluminium, RoHS, IP65
	Power	25W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	220-TE-25W-3GNMQ	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	N-Male (Female also available)	Radiator	Aluminium, RoHS, IP65
	Power	25W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	220-TE-30W-3GNM	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	N-Male (Female also available)	Radiator	Aluminium, RoHS, IP65
	Power	30W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	220-TE-50W-3GNM	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	N-Male (Female also available)	Radiator	Aluminium, RoHS, IP65
	Power	50W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	220-TE-50W-3GNMS	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	N-Male (Female also available)	Radiator	Aluminium, RoHS, IP65
	Power	50W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	220-TE-50W-3GNMQ	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	N-Male (Female also available)	Radiator	Aluminium, RoHS, IP65
	Power	50W (Average)	Annotation	Indoor/Outdoor Use

N Type Termination Loads (Dummy Load)

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	220-TE-100W-3GNMQ	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	N-Male (Female also available)	Radiator	Aluminium,RoHS,IP65
	Power	100W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	220-TE-150W-3GNMQ	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	N-Male (Female also available)	Radiator	Aluminium,RoHS,IP65
	Power	150W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	220-TE-300W-3GNMQ	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	N-Male (Female also available)	Radiator	Aluminium,RoHS,IP65
	Power	300W (Average)	Annotation	Indoor/Outdoor Use

7/16(DIN) Termination Loads (Dummy Load)

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	276-TE-1W(2W)-3GDM	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	7/16(DIN)-Male	Radiator	Aluminium,RoHS,IP65
	Power	1W(2W) (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	276-TE-1W(2W)-3GDF	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	7/16(DIN)-Female	Radiator	Aluminium,RoHS,IP65
	Power	1W(2W) (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	276-TE-5W-3GDM	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	7/16(DIN)-Male/Female	Radiator	Aluminium,RoHS,IP65
	Power	5W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	276-TE-10W-3GDM	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	7/16(DIN)-Male	Radiator	Aluminium,RoHS,IP65
	Power	10W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	276-TE-10W-3GDF	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	7/16(DIN)-Female	Radiator	Aluminium,RoHS,IP65
	Power	10W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	276-TE-10W-3GDMQ	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	7/16(DIN)-Male	Radiator	Aluminium,RoHS,IP65
	Power	10W (Average)	Annotation	Indoor/Outdoor Use

7/16(DIN) Termination Loads (Dummy Load)

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	276-TE-25W-3GDM	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	7/16(DIN)-Male	Radiator	Aluminium,RoHS,IP65
	Power	25 W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	276-TE-25W-3GDF	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	7/16(DIN)-Female	Radiator	Aluminium,RoHS,IP65
	Power	25 W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	276-TE-25W-3GDMQ	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	7/16(DIN)-Male	Radiator	Aluminium,RoHS,IP65
	Power	25 W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	276-TE-30W-3GDM	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	7/16(DIN)-Male	Radiator	Aluminium,RoHS,IP65
	Power	30W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	276-TE-50W-3GDM	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	7/16(DIN)-Male	Radiator	Aluminium,RoHS,IP65
	Power	50W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	276-TE-50W-3GDF	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	7/16(DIN)-Female	Radiator	Aluminium,RoHS,IP65
	Power	50W (Average)	Annotation	Indoor/Outdoor Use

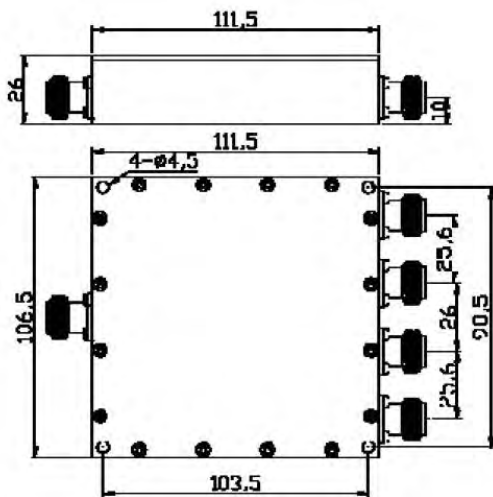
7/16(DIN) Termination Loads (Dummy Load)

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	276-TE-50W-3GDMQ	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	7/16(DIN)-Male	Radiator	Aluminium,RoHS,IP65
	Power	50W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	276-TE-100W-3GDMQ	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	7/16(DIN)-Male	Radiator	Aluminium,RoHS,IP65
	Power	100W (Average)	Annotation	Indoor/Outdoor Use

	Item Name	Termination Load	V.S.W.R	≤ 1.15
	Stock Code	276-TE-100W-3GDFQ	Temperature	-35°C to +85°C
	Frequency	DC-3000MHz	Inner Plating	Silver Plate
	Impedance	50 Ω	Body Plating	Black
	Connector	7/16(DIN)-Female	Radiator	Aluminium,RoHS,IP65
	Power	100W (Average)	Annotation	Indoor/Outdoor Use

Description	4 Way Power Splitter
Stock Code	701-PS4-N-0727
Frequency Range	700~2700MHz
Distribution Ratio	6.02dB
Insertion Loss	≤6.8dB
Isolation	≥20dB
VSWR	≥20dB
Impedance	50Ω
Connector Type	N-F
Power Handling	50W
Temperature	-20°C ~ +50°C

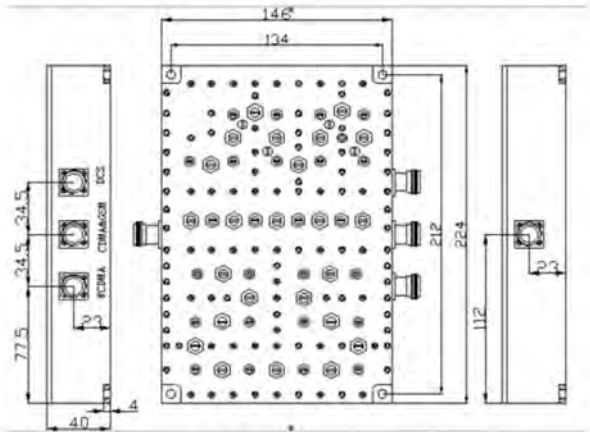


RF Triplexer

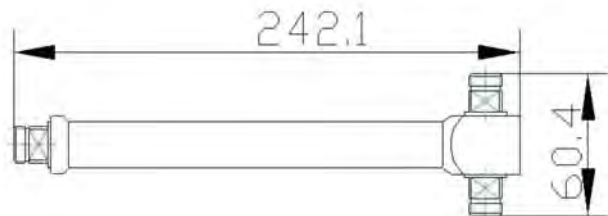
An RF Triplexer is used to combine RF from a number of different sources. This is achieved while maintaining the characteristic impedance of the system.

Dependent upon the type of combiner it may introduce additional loss by using resistors, or it may be use transformers in which case it could in theory be lossless.

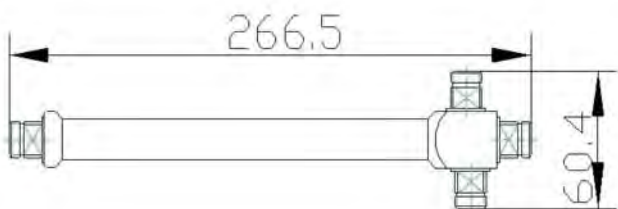
Description	RF Triplexer GSM900/DCS1800/UMTS2100		
Stock Code	712-ZK-TRIPLEXER03		
Port Name	CH1:GSM	CH2:DCS	CH3:UMTS
Frequency(MHz)	890-960	1710-1880	1920-2170
Insertion Loss(dB)	≤0.4dB	≤0.8dB	≤0.8dB
Ripple in band(dB)	≤0.2dB	≤0.6dB	≤0.6dB
Stop-band Attenuation(dB)	≥80@1710-1880MHZ	≥80@890-960MHZ	≥80@1710-1880MHZ
	≥80@1920-2170MHZ	≥80@1920-2170MHZ	≥80@1920-2170MHZ
VSWR	≤1.30:1		
Impedance(ohm)	50		
Power(W)	200		
Operating Temperature (°C)	-30~+65		
Connector Type	N-female		
Dimensions(mm)	224*146*40 (Without Connectors)		
Weight(kg)	1.505		



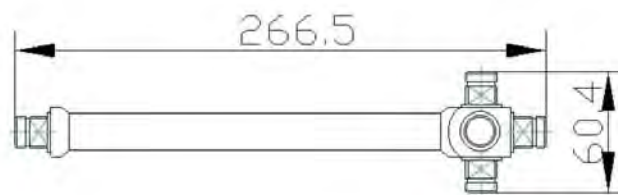
N Type 2 Way Splitter (698-2700 MHz)		Dissipative Loss at Frequency Band (dB)	0.4dB@698-2700
Stock Code	220-APD6827-02N	Split Loss (dB)	3.0
		Dimensions (mm)	242.1 x 60.4 x 25



N Type 3 Way Splitter (698-2700 MHz)		Dissipative Loss at Frequency Band (dB)	0.6dB@698-2700
Stock Code	220-APD6827-03N	Split Loss (dB)	4.8
		Dimensions (mm)	266.5.1 x 60.4 x 25



N Type 4 Way Splitter (698-2700 MHz)		Dissipative Loss at Frequency Band (dB)	0.4dB@698-2700
Stock Code	220-APD6827-04N	Split Loss (dB)	6.0
		Dimensions (mm)	266.5.1 x 60.4 x 25



Technical Specifications

Operating Frequency Band(MHz)	698-2700	Return Loss, minimum(dB)	19:1
3rd Order IMD(dBc)	-140dBc(relative to carrier)	VSWR	1:25:1
Average Power, maximum(W)	200	Application	Indoor/Outdoor
Impedance(ohm)	50	Colour	Black-plated
Peak Power, maximum(KW)	3	Operating Temperature (deg)	-25 ~ +85
Reflected Power, maximum(W)	200	Relative Humidity	5%-95%

Strain Relief Boots

Strain Relief Boot RG174/179		Strain Relief Boot RG58		Strain Relief Boot RG59	
Colour	Stock Code	Colour	Stock Code	Colour	Stock Code
Black	412-0408-002	Black	412-5808-002	Black	412-0908-002
Brown	412-0410-002	Brown	412-5810-002	Brown	412-0910-002
Blue	412-0405-002	Blue	412-5805-002	Blue	412-0905-002
Green	412-0402-002	Green	412-5802-002	Green	412-0902-002
Grey	412-0404-002	Grey	412-5804-002	Grey	412-0904-002
Orange	412-0401-002	Orange	412-5801-002	Orange	412-0901-002
Red	412-0406-002	Red	412-5806-002	Red	412-0906-002
Violet	412-0409-002	Violet	412-5809-002	Violet	412-0909-002
White	412-0407-002	White	412-5807-002	White	412-0907-002
Yellow	412-0403-002	Yellow	412-5803-002	Yellow	412-0903-002



Strain Relief Boot BT3002	
Colour	Stock Code
Red	412-0506-036
Black	412-0508-036



Strain Relief Boot BT3002	
Colour	Stock Code
White	412-0507-002
Black	412-0508-002



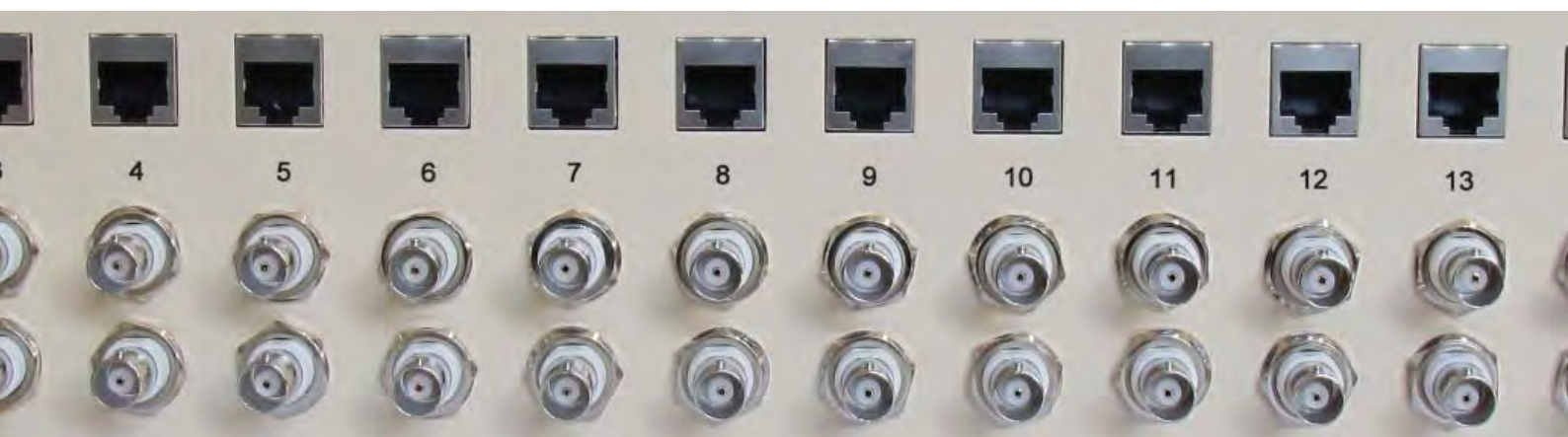
H Expandable Sleeve Pink		
Size	Pack	Stock Code
3mm	500	407-03012
4mm	500	407-04012



MHDB/MHDM Series Solder Cup	
Specification	
Insulator	Glass filled Polyester, Black UL94 V-0
Shell	Stamped Steel, Tin Plated
Contact pins	Copper Alloy
Stamped & Formed Pins	Class 3, 100 inserts min (DB)
Machines Pins	Class 1, 500 inserts min. (DM)

	Male Connectors		
	Stamped & Formed		
	Size	Part No.	Stock Code
	9	2101-0180-01	310-DB09-SP
	15	2101-0180-02	310-DB15-SP
	25	2101-0180-03	310-DB25-SP
	37	2101-0180-04	310-DB37-SP
	50	2101-0180-05	310-DB50-SP
	Machined Contacts		
	Size	Part No.	Stock Code
	9	2101-0200-01	310-DM09-SP
	15	2101-0200-02	310-DM15-SP
	25	2101-0200-03	310-DM25-SP
	37	2101-0200-04	310-DM37-SP

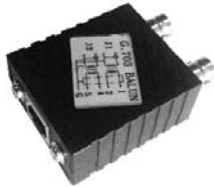
	Female Connectors		
	Stamped & Formed		
	Size	Part No.	Stock Code
	9	2101-0180-11	310-DB09-SS
	15	2101-0180-12	310-DB15-SS
	25	2101-0180-13	310-DB25-SS
	37	2101-0180-14	310-DB37-SS
	50	2101-0180-15	310-DB50-SS
	Machined Contacts		
	Size	Part No.	Stock Code
	9	2101-0200-11	310-DM09-SS
	15	2101-0200-12	310-DM15-SS
	25	2101-0200-13	310-DM25-SS
	37	2101-0200-14	310-DM37-SS



Baluns

BNC Dual Balun Adaptors

BNC Female to RJ45 (free)		BNC Female to RJ45 (panel mount)	
Speed	Stock Code	Speed	Stock Code
2/8mb	270-2002-016	2/8mb	270-2502-016
		34mb	270-3502-016



BNC Female to RJ45 (bulkhead mount)		BNC Male to RJ45 (free)	
Speed	Stock Code	Speed	Stock Code
2/8mb	270-2602-016	2/8mb	270-2402-016



BNC Female to RJ45 (free)	
Speed	Stock Code
2/8mb	270-HMC702



Mounting Panels

Description	Stock Code
1U BNC B/H Mount for 270-2602-016	802-16BN-016



1 x 16 Port RJ45 Mount for 270-x502-016	802-16RJ-016
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RJ45 Dual Balun Adaptors

Dual Female BNC to RJ45 Balun Adaptor



Speed	2/8mb
White	270-2502-069
Black	270-2502B-069

Dual Female BNC to RJ45 Balun Adaptor (Ins. BH)



Speed	2/8mb
White	270-2602-069
Black	270-2602B-069

Dual 1.6/5.6 to RJ45 Balun Adaptor



Speed	2/8mb
White	270-2102-069
Black	270-2102B-069

Dual 1.0/2.3 to RJ45 Balun Adaptor



Speed	2/8mb
White	270-2302-069
Black	270-2302B-069

Dual Type 43 to RJ45 Balun Adaptor



Speed	2/8mb
White	270-2202-069
Black	270-2202B-069

Dual SMB to RJ45 Balun Adaptor



Speed	2/8mb
White	270-2802-069
Black	270-2802B-069

Mounting Panels



Description
1 x 16 Port RJ45 Mount for all of above
Stock Code
802-16RJ-016



Description
1U BNC B/H Mount for 270-2602-069
Stock Code
802-16BN-016

Description
1U 19" Balun Panel 16 x BNC with central 3mm mount
For all other types
Stock Code
802-16BC-047

Also available with other connector interfaces

RJ45 Baluns

RJ45 - BNC Jack
single channel balun



Speed	2/8mb
Stock Code	260-0904-063

RJ45 - BNC Plug
single channel balun



Speed	2/8mb
Stock Code	260-0905-063

RJ45 - 1.6/5.6 Jack
single channel balun



Speed	2/8mb
Stock Code	260-0906-063

RJ45 - BNC Jack
single channel balun Blue



Speed	2/8mb
Stock Code	260-0904-069

RJ45 - BNC Plug
single channel balun Blue



Speed	2/8mb
Stock Code	260-0905-069

RJ45 - 1.6/5.6 Jack
single channel balun Blue

IMAGE TO
FOLLOW

Speed	2/8mb
Stock Code	260-0906-069

Dual Cable Balun RJ45 - 1.6/5.6 Male 150mm



Speed	2/8mb
Stock Code	260-0917-063

Dual Cable Balun RJ45 - BNC Male 150mm



Speed	2/8mb
Stock Code	260-0915-063

Dual Cable Balun RJ45 - 1.6/5.6 Male



Speed	2/8mb
-------	-------

250mm	260-0917-069/0.25
1M	260-0917-069/1
2M	260-0917-069/2

Dual Cable Balun RJ45 - BNC Male



Speed	2/8mb
-------	-------

250mm	260-0915-069/0.25
1M	260-0915-069/1
2M	260-0915-069/2

HDC43 DDF Plug	Speed	Stock Code
	2/8mb	260-5205-021



1.6/5.6 Bulkhead Jack	Speed	Stock Code
	2/8mb	260-0305-021



BNC Bulkhead Jack	Speed	Stock Code
	2/8mb	260-1905-021



BT43 Bulkhead Plug	Speed	Stock Code
	2/8mb	260-1105-021



BNC Plug - Krone	Speed	Wire Size	Model	Stock Code
	2/8mb	0.40-0.65mm	B13008010	260-0803-006
	2/8/34mb	0.40-0.65mm	B04008010	261-0803-006

BNC Bulkhead Jack- Krone	Speed	Wire Size	Model	Stock Code
	2/8mb	0.40-0.65mm	B13019010	260-1903-006
	2/8/34mb	0.40-0.65mm	B04019010	261-1903-006

1.6/5.6 Plug - Krone	Speed	Wire Size	Model	Stock Code
	2/8mb	0.40-0.65mm	B13002010	260-0203-006

1.6/5.6 Bulkhead Jack - Krone	Speed	Wire Size	Model	Stock Code
	2/8mb	0.40-0.65mm	B13003010	260-0303-006

BNC Plug Balun Krone



Speed	Stock Code
2/8mb	260-0803-069
2/8/34mb	261-0803-069

BNC B/H Jack Balun Krone



Speed	Stock Code
2/8mb	260-1903-069
2/8/34mb	261-1903-069

1.6/5.6 Jack Balun Krone



Speed	Stock Code
2/8mb	260-0303-069
2/8/34mb	261-0303-069

1.6/5.6 Plug Balun Krone



Speed	Stock Code
2/8mb	260-0203-069
2/8/34mb	261-0203-069

1.0/2.3 Jack Balun Krone



Speed	Stock Code
2/8mb	260-4403-069
2/8/34mb	261-4403-069

1.0/2.3 Plug Balun Krone



Speed	Stock Code
2/8mb	260-4303-069
2/8/34mb	261-4303-069

BT43 Socket Balun Krone



Speed	Stock Code
2/8mb	260-4603-069
2/8/34mb	261-4603-069

BT43 Plug Balun Krone



Speed	Stock Code
2/8mb	260-4803-069
2/8/34mb	261-4803-069

BNC Plug - IDC

Speed	Wire Size	Model	Stock Code
2/8mb	0.24-0.40mm	B13008065	260-0801-006
2/8mb	0.50-0.65mm	B13008060	260-0802-006
2/8/34mb	0.24-0.40mm	B04008065	261-0801-006
2/8/34mb	0.50-0.65mm	B04008060	261-0802-006

BNC Bulkhead Jack - IDC

Speed	Wire Size	Model	Stock Code
2/8mb	0.24-0.40mm	B13019065	260-1901-006
2/8mb	0.50-0.65mm	B13019060	260-1902-006
2/8/34mb	0.24-0.40mm	B04019065	261-1901-006
2/8/34mb	0.50-0.65mm	B04019060	261-1902-006

HDC43 DDF Plug - IDC

Speed	Wire Size	Model	Stock Code
2/8mb	0.24-0.40mm	B13052075	260-5201-006
2/8mb	0.50-0.65mm	B13052070	260-5202-006
2/8/34mb	0.24-0.40mm	B04052075	261-5201-006
2/8/34mb	0.50-0.65mm	B04052070	261-5202-006

BT43 DDF Plug - IDC

Speed	Wire Size	Model	Stock Code
2/8mb	0.24-0.40mm	B13049065	260-4901-006
2/8mb	0.50-0.65mm	B13049060	260-4902-006
2/8/34mb	0.24-0.40mm	B04049065	261-4901-006
2/8/34mb	0.50-0.65mm	B04049060	261-4902-006

1.6/5.6 Plug - IDC

Speed	Wire Size	Model	Stock Code
2/8mb	0.24-0.40mm	B13002065	260-0201-006
2/8mb	0.50-0.65mm	B13002060	260-0202-006
2/8/34mb	0.24-0.40mm	B04002065	261-0201-006
2/8/34mb	0.50-0.65mm	B04002060	261-0202-006

1.6/5.6 Bulkhead Jack - IDC

Speed	Wire Size	Model	Stock Code
2/8mb	0.24-0.40mm	B13003065	260-0301-006
2/8mb	0.50-0.65mm	B13003060	260-0302-006
2/8/34mb	0.24-0.40mm	B04003065	261-0301-006
2/8/34mb	0.50-0.65mm	B04003060	261-0302-006

Quick Release Baluns

1.6/5.6 Plug quick release balun



Stock Code 260-0206-003

1.6/5.6 Jack quick release balun



Stock Code 260-0306-003

HDC43 Plug quick release balun



Stock Code 260-5206-003

HDC43 DDF Mount Baluns

HDC43/RJ45 balun (Black)



Stock Code 270-5102-069

HDC43/RJ45 balun (Grey)



Stock Code 270-5202-069

Electrical	
Matching Impedance	75ohm unbalanced coaxial to 120ohm balanced twisted pair
Bit Rates	2 Mbit/s and 8 Mbit/s as per G.703
Return Loss	≥12dB
Insertion Loss	≤1.3dB
Cross Talk	>50dB from 51kHz to 10MHz between two channels
Pulse Shape	2 Mbit/s and 8 Mbit/s as per G.703
Isolation Voltage	250V DC between input and output



Type 43 DDF Plug IDC Balun 0.5mm



Speed	2/8mb
Model	051-127-9989A9G
Stock Code	260-4902-001

1.0/2.3 Plug IDC Balun 0.5mm



Speed	2/8mb
Model	055-F24-9019A9G
Stock Code	260-4302-001

HDC43 DDF Plug IDC Balun 0.5mm



Speed	2/8mb
Model	051-127-9999A9G
Stock Code	260-5202-001

1.6/5.6 Jack Balun 2/8mb 0.5mm



Speed	2/8mb
Model	051-A27-9019A9G
Stock Code	260-0302-001

RJ45 19" Panels

These E1 Coax to RJ45 Impedance Matching Balun Panels provide 75-120 ohm coax to twisted pair conversion for 8-24 E1 channels (Tx and Rx). The panel conforms to ITU-T G.703, matching the impedance and signal characteristics of up to 48 unbalanced 75 ohm coax connections with up to 24 balanced 120 ohm twisted pair connections.

Only 1U high, the 19 inch rack mount balun panel is available with BNC, 1.6/5.6 (Small Siemens), Type 43 (BT43, SMZ) or Ericsson M4 coax connectors. Can be mounted with the coax or RJ45 connectors on the front.

- **G703 Balun**
- **75 ohm - 120 ohm**
- **Coax - RJ45**
- **E1 and E2**
- **19 inch 1U Rack Mount**
- **Rack Mount Kit included**
- **Coax or RJ45 on the front**
- **Modular Construction**
- **Up to 16 Dual Port Baluns**

Coax Connector (75 ohm)	32 x BNC(F), 1.6/5.6(F), Type 43(M) or Ericsson M4(F)
Twisted Pair Connector (120 ohm)	16 x RJ45 / RJ48C female shielded
Transmission Line	ITU-T G.703 or G.704
Speed	E1 (2.048Mbit/s), E2 (8.448Mbit/s)
Wiring Scheme	RJ48C-4 wire E1 1-Tx Tip, 2-Tx Ring, 4-Rx Tip, 5-Rx Ring
Cross Talk	Better than -50dB at 1 to 10Mhz
Insertion Loss	Less than 0.35dB
Return Loss	Better than 18dB

Power Requirements	No power required
Operating Temperature	-40°C to +85°C
MTBF	30 years
Dimensions (WxHxD)	482 x 44 x 53 mm
Weight	1.6 kg max.
Materials	Case - Zintec, black powder coated
Warranty	10 years, parts and labour
Conformance	RoHS, CE

BNC Jack - RJ45 19" Panel

Speed	Capacity	Stock Code
2/8mb	8E1	270-2008-016
2/8mb	16E1	270-2016-016
2/8mb	21E1	270-2021-016
2/8mb	24E1	270-2024-016

**Type 43 Plug - RJ45 19" Panel**

Speed	Capacity	Stock Code
2/8mb	8E1	270-2208-016
2/8mb	16E1	270-2216-016
2/8mb	21E1	270-2221-016
2/8mb	24E1	270-2224-016

**1.6/5.6 Jack - RJ45 19" Panel**

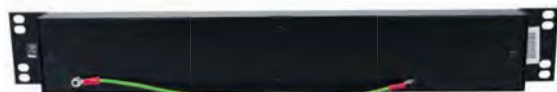
Speed	Capacity	Stock Code
2/8mb	8E1	270-2108-016
2/8mb	16E1	270-2116-016
2/8mb	21E1	270-2121-016
2/8mb	24E1	270-2124-016

**M4 - RJ45 19" Panel**

Speed	Capacity	Stock Code
2/8mb	16E1	270-2716-016
2/8mb	21E1	270-2721-016
2/8mb	24E1	270-2724-016



RJ45 19" Panel (Front Mount)

Type 43/RJ45 19" Balun Panel Front Mount 16E1	Speed	Capacity	Model	Stock Code
	2/8mb	16E1	TK-UBP01-016-RJF	270-4216-016
				
1.6/5.6/RJ45 19" Balun Panel Front Mount 16E1	Speed	Capacity	Model	Stock Code
	2/8mb	16E1	TK-UBP02-016-RJF	270-4116-016
				
BNC/RJ45 19" Balun Panel Front Mount 16E1	Speed	Capacity	Model	Stock Code
	2/8mb	16E1	TK-UBP03-016-RJF	270-4016-016
				
1.0/2.3/RJ45 19" Balun Panel Front Mount 24E1	Speed	Capacity	Model	Stock Code
	2/8mb	24E1	TK-UBP04-024-RJF	270-4324-016
				
SMB/RJ45 19" Balun Panel Front Mount 24E1	Speed	Capacity	Model	Stock Code
	2/8mb	24E1	TK-UBP05-024-RJF	270-4824-016
				
M4/RJ45 19" Balun Panel Front Mount 16E1	Speed	Capacity	Model	Stock Code
	2/8mb	16E1	TK-UBP06-016-RJF	270-4724-016
				

Telco 16E1 TOO/TOA 19" Panels

The 16 E1 Coax to Telco Impedance Matching Balun Panel provides 75-120 ohm conversion (coax to twisted pair) for 16 E1 channels (Tx and Rx). The panel conforms to ITU-T G.703, matching the impedance and signal characteristics of up to 32 unbalanced 75 ohm coax connections with up to 16 balanced 120 ohm twisted pair connections.

Only 1U high, the 19 inch rack mount balun panel is available with BNC, 1.6/5.6 (Small Siemens), Type 43 (BT43, SMZ) or 1.0/2.3 coax connectors. Twisted pair connectors are 50 way shielded female Telco (AMP Champ).

- G703 Balun
- 75 - 120 ohm
- Coax - Twisted Pair
- 19 inch 1U Rack Mount Coax or Telco to the front
- E1 (2Mbit/s) and E2 (8Mbit/s)
- Modular Construction[®]
- Up to 16 Dual Port Baluns

Coax Connector (75 ohm)	32 x BNC(F), 1.6/5.6(F), Type 43(M) or 1.0/2.3(F)
Twisted Pair Connector (120 ohm)	2 x 50 way Telco female shielded
Transmission Line	ITU-T G.703 or G.704
Wiring Scheme	TOO or TOA
Speed	2.048Mbit/s (E1), 8.448Mbit/s (E2), 1.544Mbit/s (T1), 6.312Mbit/s (T2)
Cross Talk	Better than -60dB at 1 to 10Mhz
Insertion Loss	Less than 0.35dB

Return Loss	Better than 35dB
Power Requirements	None
Operating Temperature	-40° to +85° C
MTBF	30 Years
Dimensions (WxHxD)	482 x 44 x 22 mm
Weight	1.5 kg max.
Materials	Case - Zintec, black powder coated
Conformance	RoHS, CE

BNC to Telco 19" Panel



Wiring	Capacity	Stock Code
TOO	16E1	270-3016-016
TOA	16E1	270-3016A-016

Type 43 to Telco 19" Panel



Wiring	Capacity	Stock Code
TOO	16E1	270-3216-016
TOA	16E1	270-3216A-016

1.6/5.6 to Telco 19" Panel



Wiring	Capacity	Stock Code
TOO	16E1	270-3116-016
TOA	16E1	270-3116A-016

1.0/2.3 to Telco 19" Panel



Wiring	Capacity	Stock Code
TOO	16E1	270-3316-016
TOA	16E1	270-3316A-016

TOO Wiring					
Telco		Transmit		Receive	
J1	J2	Ring	Tip	Ring	Tip
E1 Ch.	E1 Ch.				
1	9	1	26	2	27
2	10	4	29	5	30
3	11	7	32	8	33
4	12	10	35	11	36
5	13	13	38	14	39
6	14	16	41	17	42
7	15	19	44	20	45
8	16	22	47	23	48

TOA Wiring					
Telco		Transmit		Receive	
J1	J2	Ring	Tip	Ring	Tip
E1 Ch.	E1 Ch.				
1	9	1	26	2	27
2	10	3	28	4	29
3	11	5	30	6	31
4	12	7	32	8	33
5	13	9	34	10	35
6	14	11	36	12	37
7	15	13	38	14	39
8	16	15	40	16	41



Rear View

Telco 21E1 TTR 19" Panels

The 21 E1 Coax to Telco TTR Impedance Matching Balun Panel provides 75-120 ohm conversion (coax to twisted pair) for 21 E1 channels (Tx and Rx). The panel conforms to ITU-T G.703, matching the impedance and signal characteristics of up to 42 unbalanced 75 ohm coax connections with up to 21 balanced 120 ohm twisted pair connections.

Only 1U high, the 19 inch rack mount balun panel is available with BNC, 1.6/5.6 (Small Siemens) or Type 43 (BT43, SMZ) coax connectors. Twisted pair connectors are 50 way shielded female Telco (AMP Champ) - one Telco for transmit, one Telco for receive.

Coax Connector (75 ohm)	42 x BNC(F), 1.6/5.6(F), or Type 43(M)
Twisted Pair Connector (120 ohm)	2 x 50 way Telco female shielded
Transmission Line	ITU-T G.703 or G.704
Wiring Scheme	TTR 1 Telco for transmit (Tx) 1 Telco for receive (Rx)
Speed	2.048Mbit/s (E1), 8.448Mbit/s (E2), 1.544Mbits/s (T1), 6.312Mbit/s (T2)
Cross Talk	Better than -60dB at 1 to 10Mhz
Insertion Loss	Less than 0.35dB

- G703 Balun
- 75 - 120 ohm
- Coax - Twisted Pair
- 19 inch 1U Rack Mount Coax or Telco to the front
- E1 (2Mbit/s) and E2 (8Mbit/s)
- Modular Construction
- Up to 21 Dual Port Baluns

Return Loss	Better than 35dB
Power Requirements	None
Operating Temperature	-40° to +85° C
MTBF	30 Years
Dimensions (WxHxD)	482 x 44 x 67.5 mm
Weight	2 kg max.
Materials	Case - Zintec, black powder coated
Conformance	RoHS, CE

BNC to Telco 19" Panel	Wiring	Capacity	Stock Code
	TTR	21E1	270-3021S-016



Type 43 to Telco 19" Panel	Wiring	Capacity	Stock Code
	TTR	21E1	270-3221S-016



1.6/5.6 to Telco 19" Panel	Wiring	Capacity	Stock Code
	TTR	21E1	270-3121S-016



TTR Wiring				
E1 Channel	Transmit Telco		Receive Telco	
	Ring	Tip	Ring	Tip
1	1	26	1	26
2	2	27	2	27
3	3	28	3	28
~	~	~	~	~
19	19	44	19	44
20	20	45	20	45
21	21	46	21	46



Telco 24E1 TOO 19" Panels

The 24 E1 Coax to Telco Impedance Matching Balun Panel provides 75-120 ohm conversion for 24 E1 channels (Tx and Rx). The panel conforms to ITU-T G.703, matching the impedance and signal characteristics of up to 48 unbalanced 75 ohm coax connections with up to 24 balanced 120 ohm twisted pair connections.

Only 1U high, the 19 inch rack mount balun panel is available with BNC, 1.6/5.6 (Small Siemens) or Type 43 (BT43, SMZ) coax connectors. Twisted pair connectors are 50 way shielded female Telco (AMP Champ).

This panel is also available with 21 E1 circuits. See the 24 E1 TTR panel if you require the Transmit and Receive circuits on separate Telcos.

Coax Connector (75 ohm)	48 x BNC(F), 1.6/5.6(F), or Type 43(M)
Twisted Pair Connector (120 ohm)	2 x 50 way Telco female shielded
Transmission Line	ITU-T G.703 or G.704
Wiring Scheme	TOO
Speed	2.048Mbit/s (E1), 8.448Mbit/s (E2), 1.544Mbits/s (T1), 6.312Mbit/s (T2)
Cross Talk	Better than -60dB at 1 to 10Mhz
Insertion Loss	Less than 0.35dB

Return Loss	Better than 35dB
Power Requirements	None
Operating Temperature	-40° to +85° C
MTBF	30 Years
Dimensions (WxHxD)	482 x 44 x 22 mm
Weight	1.9kg max.
Materials	Case - Zintec, black powder coated
Conformance	RoHS, CE

BNC to Telco 19" Panel	Wiring	Capacity	Stock Code
	TOO	24E1	270-3024-016



Type 43 to Telco 19" Panel	Wiring	Capacity	Stock Code
	TOO	24E1	270-3224-016



1.6/5.6 to Telco 19" Panel	Wiring	Capacity	Stock Code
	TOO	24E1	270-3124-016



TOO Wiring					
E1 Circuit	Telco	Transmit		Receive	
		Ring	Tip	Ring	Tip
1	J1	1	26	2	27
2		3	28	4	29
3		5	30	6	31
4		7	32	8	33
5		9	34	10	35
6		11	36	12	37
7		13	38	14	39
8		15	40	16	41
9		17	42	18	43
10		19	44	20	45
11		21	46	22	47
12		23	48	24	49

TOO Wiring					
E1 Circuit	Telco	Transmit		Receive	
		Ring	Tip	Ring	Tip
13	J2	1	26	2	27
14		3	28	4	29
15		5	30	6	31
16		7	32	8	33
17		9	34	10	35
18		11	36	12	37
19		13	38	14	39
20		15	40	16	41
21		17	42	18	43
22		19	44	20	45
23		21	46	22	47
24		23	48	24	49



Rear View

Telco 24E1 TTR 19" Panels

The 24 E1 Coax to Telco TTR Balun Panel provides 75-120 ohm conversion for (coax to twisted pair) 24 E1 channels (Tx and Rx). The panel conforms to ITU-T G.703, matching the impedance and signal characteristics of up to 48 unbalanced 75 ohm coax connections with up to 24 balanced 120 ohm twisted pair connections.

Only 1U high, the panel is available with Type 43 (BT), 1.6/5.6 (Small Siemens) or BNC coax connectors. The 2 twisted pair connectors are 50 way shielded female Telco (Amp Champ) - one Telco for transmit, one Telco for receive.

See 24 E1 Balun TOO Panel for an alternative wiring scheme.

Coax Connector (75 ohm)	48 x BNC(F), 1.6/5.6(F), or Type 43(M)
Twisted Pair Connector (120 ohm)	2 x 50 way Telco female shielded
Transmission Line	ITU-T G.703 or G.704
Wiring Scheme	TTR 1 Telco for transmit (Tx) 1 Telco for receive (Rx)
Speed	2.048Mbit/s (E1), 8.448Mbit/s (E2), 1.544Mbits/s (T1), 6.312Mbit/s (T2)
Cross Talk	Better than -60dB at 1 to 10Mhz
Insertion Loss	Less than 0.35dB

- G703 Balun
- 75 - 120 ohm
- Coax - Twisted Pair
- 19 inch 1U Rack Mount Coax or Telco to the front
- E1 (2Mbit/s) and E2 (8Mbit/s)
- Cisco SPA 24CHT1-CE-ATM compatible

Return Loss	Better than 35dB
Power Requirements	None
Operating Temperature	-40° to +85° C
MTBF	30 Years
Dimensions (WxHxD)	482 x 44 x 67.5 mm
Weight	2.1kg max.
Materials	Case - Zintec, black powder coated
Conformance	RoHS, CE

BNC to Telco 19" Panel	Wiring	Capacity	Stock Code
	TTR	24E1	270-3024S-016



Type 43 to Telco 19" Panel	Wiring	Capacity	Stock Code
	TTR	24E1	270-3224S-016



1.6/5.6 to Telco 19" Panel	Wiring	Capacity	Stock Code
	TTR	24E1	270-3124S-016



TTR Wiring				
E1 Channel	Transmit Telco		Receive Telco	
	Ring	Tip	Ring	Tip
1	1	26	1	26
2	2	27	2	27
3	3	28	3	28
~	~	~	~	~
22	22	47	22	47
23	23	48	23	48
24	24	49	24	49



Rear View

RJ45 19" Panels

BNC to RJ45 19" Balun Panel



Capacity

Stock Code

16E1

270-HMC716

24E1

270-HMC724X



Rear

1.6/5.6 to RJ45 19" Balun Panel



Capacity

Stock Code

16E1

270-HMC716L



Rear

BNC to RJ45 19" Balun Panel Front Mount



Capacity

Stock Code

16E1

270-HMC716X

Balun Panel 24E1 BNC to Telco (TOO)



Capacity

Stock Code

24E1

270-HMC724



Rear

The 270-HMC724 G.703 Balun panel offers 24 channels of E1 coax-to-twisted pair conversion for any 482mm or 584mm rack installation. While the Model HM-C724 is only 1.5RU high it is less than 26mm thick for best rack space resources.

- 24 circuits of G.703 conversion full TX and RX termination from 75 Ohm coax to 120 Ohm twisted pairs
- Bi-directional and transparent, seamless operation with E1 G.703 TX or RX signals
- 1RU high and ultra low-profile less than 26mm thickness to be mounted on both sides of the rack
- Plug and play, no power required, no configuration required
- Female coax BNC connectors
- Supports 482mm & 584mm rack use one panel for both your 482mm 19" and 584mm 23" chassis installations

TOO Wiring						TOO Wiring					
E1 Circuit	Telco	Transmit		Receive		E1 Circuit	Telco	Transmit		Receive	
		Ring	Tip	Ring	Tip			Ring	Tip	Ring	Tip
1	J1	1	26	2	27	13	J2	1	26	2	27
2		3	28	4	29	14		3	28	4	29
3		5	30	6	31	15		5	30	6	31
4		7	32	8	33	16		7	32	8	33
5		9	34	10	35	17		9	34	10	35
6		11	36	12	37	18		11	36	12	37
7		13	38	14	39	19		13	38	14	39
8		15	40	16	41	20		15	40	16	41
9		17	42	18	43	21		17	42	18	43
10		19	44	20	45	22		19	44	20	45
11		21	46	22	47	23		21	46	22	47
12		23	48	24	49	24		23	48	24	49

•G.703/E1 Electrical (supports G.703/G.704 framing) at 2.048 mbps

•Insertion loss < 0.2dB at 2mbps, Return loss < -29dB at 2mbps, Crosstalk < -80dB (.1 MHz to 12 MHz)

•Operating Temperature: 0°C to 50°C

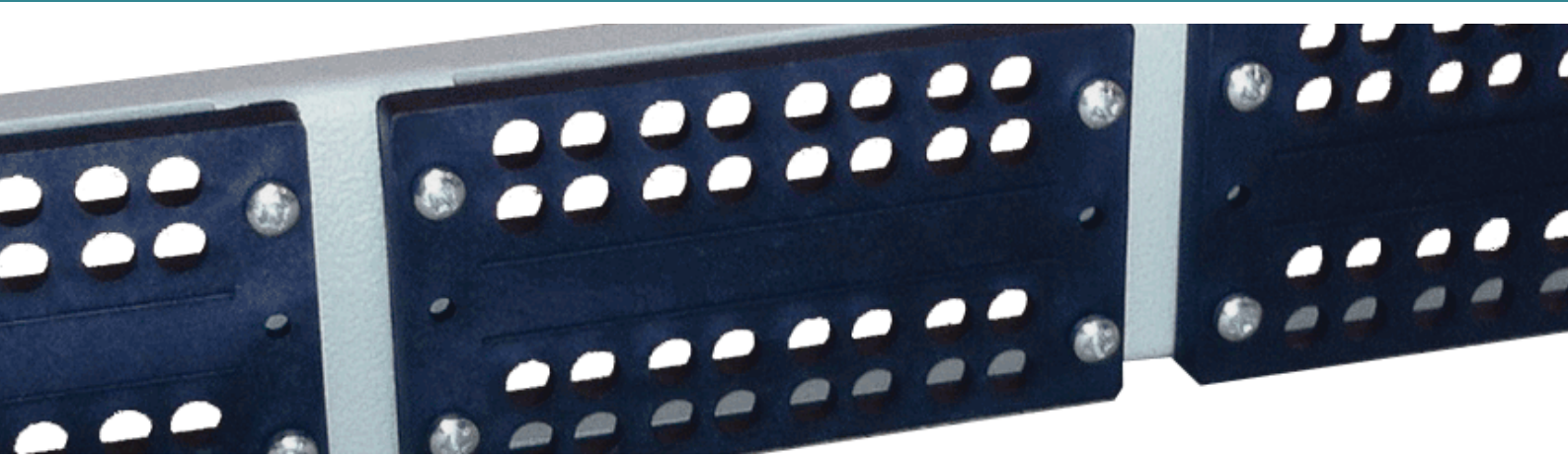
•Twisted pair: 120W via dual RJ21X, Ports 1-12 on J1, Ports 13-24 on J2

•Coax: 75W panel mount female BNC's

•Balun casing black plastic, sealed

•Humidity: up to 90% non-condensing

•Operating Temperature: 0°C to 50°C



DDF

(Digital Distribution Frame)



Frame Distribution 6000

A versatile Digital Distribution Frame designed to accommodate standard type 43 connectors and provide for rear jumpering using 'U' Links. The connectors are vertical plastic blocks fitted to the frame front vertical. Through-frame jumpering is carried in rings and troughs at the base and top of the frame. The base also incorporates ring to facilitate front to rear jumpering. The frame footprint is 600mm x 260mm and is available in 2.2m and 2.6 heights.

Description	Stock Code
6000 19" DDF panel (c/w 6 blocks)	801-6014-047
6000A 2.6m Frame (holds 32 blocks)	801-6001-011
6000B 2.2m Frame (holds 24 blocks)	801-6002-011
6000 DDF Mounting Block D81860	801-6005-011



Frame Distribution 6003

The 6003 frame gives greater density of connectors in the same 600mm x 260mm footprint of the 6000 series. In addition the type 43 connectors are housed in plastic blocks (mounted horizontally) providing for front connecting jumper leads. Both top and base plinths incorporate cabling troughs thus alleviating the need to 'thread' frame jumper cables.

Description	Stock Code
6003A 2.6m Frame c/w 58 blocks	801-6011-011
6003B MK3 2.2m Frame c/w 46 blocks	801-6012-011
6003 DDF Mounting Block 1/D108610	801-6015-011
Label Kit 6003 MK3	801-6018-011



HDC43 Frame

- A Compact versatile Digital Distribution Frame offering extremely space efficient packaging
- Utilises the proven HDC43 connector technology
- Available in a range of heights and widths to match existing TEP-1E frames
- All parts plated, painted or plastic coated
- Can be floor or wall mounted
- Suitable for under floor or overhead cabling installations
- Can be supplied bolted back to back, avoiding the need for supporting iron work
- A full range of accessories available to allow ease of installation and immediate commissioning



Height	Width	Verticals	Blocks	Stock Code
1.8m	600mm	2	40	811-1860-047
2.0m	300mm	1	22	811-2030-047
2.0m	750mm	4	88	811-2075-047
2.2m	300mm	1	24	811-2230-047
2.2m	400mm	2	48	811-2240-047
2.2m	600mm	2	48	811-2260-047
2.2m	600mm	3	72	811-2263-047
2.2m	750mm	4	96	811-2275-047
2.2m	900mm	4	96	811-2290-047
2.6m	400mm	2	56	811-2640-047
2.6m	600mm	2	56	811-2660-047
2.6m	750mm	4	112	811-2675-047
2.6m	900mm	4	112	811-2690-047

Can also be supplied fitted with DDF blocks

HDC43 B2 Block Kit

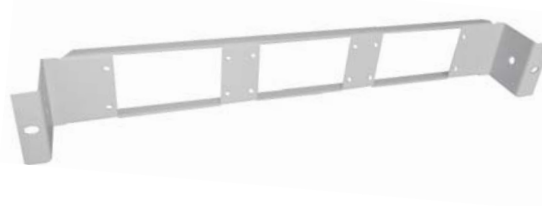
Description	Stock Code
HDC43 B2 Block Kit (Bulk)	811-0002-047
HDC43 B2 Block Kit (1 Set/Bag)	811-0002B-047
Other Versions	
HDC43 B2 Block with captive screws	811-0001-011
HDC43 B3 Block	811-0003-036
HDC43 B4 Block for Type 43	811-0006-036
Labelling	
HDC43 B2 Block Label (Sheet 8)	811-0008-047
HDC43 B2 plastic label Cover	811-2000-047
Retaining Pins for labels (red)	812-0051-047

HDC43 Recessed Panel 19" 3U

Description	Stock Code
HDC43 3U Recessed Panel, unpopulated grey	811-2400-047
HDC43 3U Recessed Panel, unpopulated blue	811-2402-047

**HDC43 Recessed Panel 19" 1.5U**

Description	Stock Code
HDC43 1.5U Recessed Panel, unpopulated grey	811-2410-047
HDC43 1.5U Recessed Panel, unpopulated blue	811-2411-047

**HDC43 Recessed Panel 19" 3U**

Description	Stock Code
HDC43 3U Recessed Panel, populated grey	811-2406-047
HDC43 3U Recessed Panel, populated blue	811-2408-047

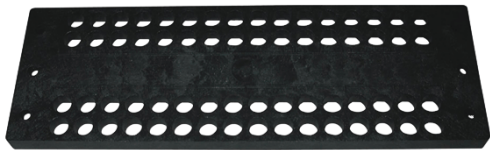
**HDC43 Recessed Panel 19" 1.5U**

Description	Stock Code
HDC43 1.5U Recessed Panel, populated grey	811-2412-047
HDC43 1.5U Recessed Panel, populated blue	811-2413-047



- The frames are available in different sizes to meet the existing standards of telecoms frames
- UHDC43 DDF designed to give better access to installers, whilst improving cable management systems
- Frames comply with latest ETSI standards
- Frames can be back to back mounted or stand alone applications

UHDC DDF Block	
Description	Stock Code
UHDC DDF Block	812-0012-036
Mounting Block Kit (8 Units)	812-0011-036



UHDC 19" Panel	
Description	Stock Code
19" Panel 2 x UHDC Block	812-2100-036



UHDC DDF Frame			
Height	Width	Verticals	Stock Code
1.4m	475mm	1	812-1447-036
2.2m	600mm	2	812-2260-036
2.2m	750mm	3	812-2275-036



ETSI Conversion Bracket	
Description	Stock Code
ETSI Conversion Bracket	812-1904-036



Labels, Covers and Pins	
Description	Stock Code
UHDC Paper Label	812-0011-036
UHDC Paper Cover	812-2050-036
Retaining Pins for Labels	812-0051-036





Coaxial Cables

BT2001	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	7/0.20	BC	2.40	Foam PE	BC	4.40	PVC	White	31	101-2101
BT2002	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	7/0.20	BC	2.40	Foam PE	BC x 2	5.10	PVC	White	49	101-2201
BT2003 PVC	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/0.61	BC	3.70	Solid PE	BC x 2	6.65	PVC	White	80	101-2301
BT2003 LSZH	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/0.61	BC	3.70	Solid PE	BC x 2	6.65	LSZH	White	80	101-2601
BT3002 PVC	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/0.31	BC	1.95	Solid PE	TC x 2	3.55	PVC	White	23	101-3201
	2	1/0.31	BC	1.95	Solid PE	TC x 2	3.55 x 2	PVC	White	48.5	101-3202
	4	1/0.31	BC	1.95	Solid PE	TC x 2	10.2	PVC	White	135	101-3204
	8	1/0.31	BC	1.95	Solid PE	TC x 2	16.0	PVC	White	335	101-3208
	12	1/0.31	BC	1.95	Solid PE	TC x 2	17.5	PVC	White	370	101-3212
	16	1/0.31	BC	1.95	Solid PE	TC x 2	20.5	PVC	White	500	101-3216
	24	1/0.31	BC	1.95	Solid PE	TC x 2	24.6	PVC	White	715	101-3224
	32	1/0.31	BC	1.95	Solid PE	TC x 2	27.1	PVC	White	925	101-3232
BT3002 LSZH	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/0.31	BC	1.95	Solid PE	TC x 2	3.55	LSZH	White	23	101-3301
	2	1/0.31	BC	1.95	Solid PE	TC x 2	3.55 x 2	LSZH	White	48.5	101-3302
	4	1/0.31	BC	1.95	Solid PE	TC x 2	10.2	LSZH	White	135	101-3304
	8	1/0.31	BC	1.95	Solid PE	TC x 2	16.0	LSZH	White	335	101-3308
	16	1/0.31	BC	1.95	Solid PE	TC x 2	20.5	LSZH	White	500	101-3316
BT5000	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/0.96	BC	4.80	Foam PE	Foil+TC	7.2	LSZH	White	72	101-5001

BC	Bare Copper
LSZH	Low Smoke Zero Halogen
PVC	Polyvinyl Chloride
TC	Tinned Copper
PE	Polyethylene



This range of 75Ω coaxial cable designed to meet the dual challenge of reduced size and improved performance, essential for the latest telecommunication technology and exchange equipment.

This range of coaxial cable has been down-sized to allow full occupancy of the state of-the-art compact switches and DDF's used in modern telecommunication exchanges.

The new designs also offer an optimum electrical performance required for latest protocols whilst enabling longer cable runs and better duct/rack occupancy.

With safety in mind, all products in this range have been constructed using LSZH (Low Smoke Zero Halogen) jackets/sheaths.

RA7000	Cores	Inner Conductor	Dielectric	Screen	Jacket	Kg/Km	Stock Code
		Strand (mm) Material	ø mm Material		ø mm Material Colour		
	1	1/0.61 BC	2.80 Foam PE	Foil + TC	4.50 LSZH	30.9	101-7001
	4	1/0.61 BC	2.80 Foam PE	Foil + TC	12.75 LSZH	190	101-7004
	8	1/0.61 BC	2.80 Foam PE	Foil + TC	17.20 LSZH	362	101-7008
	16	1/0.61 BC	2.80 Foam PE	Foil + TC	24.25 LSZH	696	101-7016

- Less than half the cross sectional area of BT2003
- Lower losses than BT2003 beyond 36MHz
- Capable of cable runs over 100 metres at 155 Mbit/s
- Ideal for high density Voice over IP applications
- LSZH jacket/sheath as standard
- Standard connector series available

RA8000	Cores	Inner Conductor	Dielectric	Screen	Jacket	Kg/Km	Stock Code
		Strand (mm) Material	ø mm Material		ø mm Material Colour		
	1	1/0.31 BC	1.45 Foam PE	Foil + TC	2.75 LSZH	13.2	101-8001
	2	1/0.31 BC	1.45 Foam PE	Foil + TC	2.75 x 2 LSZH	27.5	101-8002
	4	1/0.31 BC	1.45 Foam PE	Foil + TC	8.25 LSZH	97.6	101-8004
	8	1/0.31 BC	1.45 Foam PE	Foil + TC	11.00 LSZH	144.3	101-8008
	16	1/0.31 BC	1.45 Foam PE	Foil + TC	14.85 LSZH	323.5	101-8016
	32	1/0.31 BC	1.45 Foam PE	Foil + TC	20.55 LSZH	591.5	101-8032

- Reduced diameter 40% saving in cross sectional area compared to BT3002/RA750
- Lower loss than BT3002/RA750
- Available in constructions up to 32 core
- Ideal for high density equipment applications



BC	Bare Copper
LSZH	Low Smoke Zero Halogen
PVC	Polyvinyl Chloride
TC	Tinned Copper
PE	Polyethylene

TZC 750 05	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/0.49	TC	3.00	PE	TC x 2	5.6	PVC	Black	58	TBA

TZC 750 24 (PVC)	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/0.31	BC	1.95	Solid PE	TC x 2	3.55	PVC	Black	26.4	101-2401
	2	1/0.31	BC	1.95	Solid PE	TC x 2	3.55 x 2	PVC	Black	53	101-2402
	4	1/0.31	BC	1.95	Solid PE	TC x 2	10.2	PVC	Black/Grey	162.5	101-2404
	8	1/0.31	BC	1.95	Solid PE	TC x 2	14.5	PVC	Black/Grey	294	101-2408
	16	1/0.31	BC	1.95	Solid PE	TC x 2	19.5	PVC	Black/Grey	586	101-2416

TZC 750 24 (External PE)	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	16	1/0.31	BC	1.95	Solid PE	TC x 2	20.5	PE	Black/Black	542	101-2426

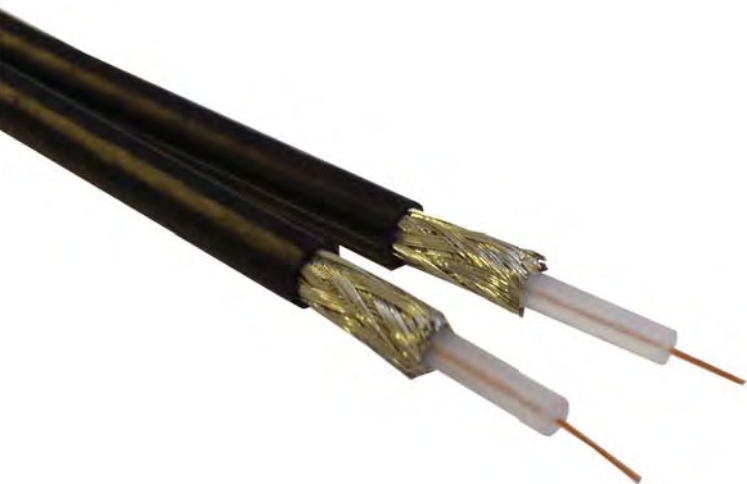
TZC 750 25 (LSZH)	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/0.31	BC	1.95	Solid PE	TC x 2	3.55	LSZH	Black	26.4	101-2501
	2	1/0.31	BC	1.95	Solid PE	TC x 2	3.55 x 2	LSZH	Black	53	101-2502
	4	1/0.31	BC	1.95	Solid PE	TC x 2	10.2	LSZH	Black/Grey	162.5	101-2504
	8	1/0.31	BC	1.95	Solid PE	TC x 2	14.5	LSZH	Black/Grey	294	101-2508
	16	1/0.31	BC	1.95	Solid PE	TC x 2	19.5	LSZH	Black/Grey	586	101-2516

TZC 752 1001 (TZC 750 05 LSZH)	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/0.49	TC	3.00	PE	TC x 2	5.6	LSZH	Black	58	TBA

TZC 752 2201 (Black RA8000)	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/0.31	BC	1.45	Foam PE	Foil + TC	2.75	LSZH	Black	12	101-8101

TZC 752 2204 (Black RA7000)	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/0.60	BC	2.80	Foam PE	Foil + TC	4.5	LSZH	Black	25	101-7101

BC	Bare Copper
LSZH	Low Smoke Zero Halogen
PVC	Polyvinyl Chloride
TC	Tinned Copper
PE	Polyethylene



TZE 101 06 (TZC75024 8 Core)	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	8	1/0.31	BC	1.95	Solid PE	TC x 2	14.5	PVC	Black/Grey	28	101-2408
TZE 101 09 (TZC75024 Shotgun)	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	2	1/0.31	BC	1.95	Solid PE	TC x 2	3.55 x 2	PVC	Black	53	101-2402
TZE 101 10 (TZC75025 Shotgun)	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	2	1/0.31	BC	1.95	Solid PE	TC x 2	3.55 x 2	LSZH	Black	53	101-2502
TZE 101 11 (TZC75025 8 Core)	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	8	1/0.31	BC	1.95	Solid PE	TC x 2	14.5	LSZH	Black/Grey	294	101-2508
TZE 101 15 Double Braided & Jacket (TZC75025 Shotgun)	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	2	1/0.31	BC	1.95	Solid PE	TC x 2	6.0 x 9.6	LSZH	Black/Grey	92	101-1502
TZE 101 19 Double Braided & Jacket (TZC75024 Shotgun)	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	2	1/0.31	BC	1.95	Solid PE	TC x 2	6.0 x 9.6	PVC	Black/Grey	92	101-1902
TZE 101 16 Double Braided & Jacket (TZE 101 11)	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	8	1/0.31	BC	1.95	Solid PE	Foil + TC	15.9	LSZH	Black/Grey	340	101-1608
TZE 102 7112 (TZC75025 14/16 Core)	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	14	1/0.31	BC	1.95	Solid PE	TC x 2	18	LSZH	Black/Grey	450	101-2514
	16	1/0.31	BC	1.95	Solid PE	TC x 2	20	LSZH	Black/Grey	520	101-2516
TZE 102 7121 (Black RA8000)	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	4	1/0.31	BC	1.4	Foam PE	Foil + TC	8.2	LSZH	Black/Grey	86	101-8104
	8	1/0.31	BC	1.4	Foam PE	Foil + TC	9.7	LSZH	Black/Grey	153	101-8108
	16	1/0.31	BC	1.4	Foam PE	Foil + TC	15	LSZH	Black/Grey	280	101-8116
	32	1/0.31	BC	1.4	Foam PE	Foil + TC	20	LSZH	Black/Grey	530	101-8132
TZE 102 7322 (Black RA8000 Shotgun)	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	2	1/0.31	BC	1.45	Foam PE	Foil + TC	27.5 x 2	LSZH	Black	29	101-8102



BC	Bare Copper
LSZH	Low Smoke Zero Halogen
PVC	Polyvinyl Chloride
TC	Tinned Copper
PE	Polyethylene

SDI Video Cable (small) 0.6/2.8AF

SDI Video Cable Grey	Cores	Inner Conductor	Dielectric	Screen	Jacket	Kg/Km	Stock Code
		Strand (mm) Material	ø mm Material		ø mm Material Colour		
	1	1/0.60 BC	2.80 FPE	APAF+TC	4.5 LSZH Grey	27.9	101-BDSD01-083
	4	1/0.60 BC	2.80 FPE	APAF+TC	13.2 LSZH Grey	177	101-BDSD41-083
	6	1/0.60 BC	2.80 FPE	APAF+TC	15.8 LSZH Grey	251	101-BDSD61-083
	8	1/0.60 BC	2.80 FPE	APAF+TC	17.2 LSZH Grey	324	101-BDSD81-083



SDI Video Cable Green	Cores	Inner Conductor	Dielectric	Screen	Jacket	Kg/Km	Stock Code
		Strand (mm) Material	ø mm Material		ø mm Material Colour		
	1	1/0.60 BC	2.80 FPE	APAF+TC	4.5 LSZH Green	27.9	101-BDSD02-083



SDI Video Cable Violet	Cores	Inner Conductor	Dielectric	Screen	Jacket	Kg/Km	Stock Code
		Strand (mm) Material	ø mm Material		ø mm Material Colour		
	1	1/0.60 BC	2.80 FPE	APAF+TC	4.5 LSZH Violet	27.9	101-BDSD03-083



SDI Video Cable Turquoise	Cores	Inner Conductor	Dielectric	Screen	Jacket	Kg/Km	Stock Code
		Strand (mm) Material	ø mm Material		ø mm Material Colour		
	1	1/0.60 BC	2.80 FPE	APAF+TC	4.5 LSZH Turquoise	27.9	101-BDSD05-083



SDI Video Cable Cream	Cores	Inner Conductor	Dielectric	Screen	Jacket	Kg/Km	Stock Code
		Strand (mm) Material	ø mm Material		ø mm Material Colour		
	1	1/0.60 BC	2.80 FPE	APAF+TC	4.5 LSZH Cream	27.9	101-BDSD09-083



SDI Video Cable Black	Cores	Inner Conductor	Dielectric	Screen	Jacket	Kg/Km	Stock Code
		Strand (mm) Material	ø mm Material		ø mm Material Colour		
	1	1/0.60 BC	2.80 FPE	APAF+TC	4.5 LSZH Black	27.9	101-BDSD00-083



BC	Bare Copper
TC	Tinned Copper
LSZH	Low Smoke Zero Halogen
PVC	Polyvinyl Chloride
APAF	Aluminium-polyester-aluminium foil
FPE	Foam Polyethylene
SC	Silvered Copper

B1505A Type – Solid Conductor

SDI Video Cable Black	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/0.80	BC	3.70	FHDPE	APT+TC	6.10	LSZH	Black	50.3	101-BDSD50-083



SDI Video Cable Violet	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/0.80	BC	3.70	FHDPE	APT+TC	6.10	LSZH	Violet	50.3	101-BDSD53-083



B1505F Type – Stranded Conductor

SDI Video Cable Black	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	7/AWG29	BC	3.68	FHDPE	TCx2	6.15	PVC	Black	59.4	101-BDSD50F-083



SDI Video Cable Violet	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	7/AWG29	BC	3.68	FHDPE	TCx2	6.15	PVC	Violet	59.4	101-BDSD53F-083



BC	Bare Copper
TC	Tinned Copper
LSZH	Low Smoke Zero Halogen
PVC	Polyvinyl Chloride
APAF	Aluminium-polyester-aluminium foil
APT	Aluminium/Polyester tape
FHDPE	Fluorinated High Density Polyethylene
FPE	Foam Polyethylene
SC	Silvered Copper

SDI Video Cable (large) 1.0/4.8AF - B1694 Type

SDI Video Cable Grey	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/1.02	BC	4.45	FHDPE	APT+TC	7.0	LSZH	Grey	65	101-BDSD11-083
	6	1/1.02	BC	4.45	FHDPE	APT+TC	23.2	LSZH/PVC	Grey/Grey	530	101-BDSD161-083



SDI Video Cable Green	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/1.02	BC	4.45	FHDPE	APT+TC	7.0	LSZH	Green	65	101-BDSD12-083



SDI Video Cable Violet	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/1.02	BC	4.45	FHDPE	APT+TC	7.0	LSZH	Violet	65	101-BDSD13-083
	1	7/0.361	BC	4.572	FHDPE	TC x 2	7.0	PVC	Violet	74.4	101-BDSD13F-083



SDI Video Cable Turquoise	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/1.02	BC	4.45	FHDPE	APT+TC	7.0	LSZH	Turquoise	65	101-BDSD15-083



SDI Video Cable Cream	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/1.02	BC	4.45	FHDPE	APT+TC	7.0	LSZH	Cream	65	101-BDSD19-083



SDI Video Cable Black	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/1.02	BC	4.45	FHDPE	APT+TC	7.0	LSZH	Black	65	101-BDSD10-083
	1	7/0.361	BC	4.572	FHDPE	TC x 2	7.0	PVC	Black	74.4	101-BDSD10F-083



BC	Bare Copper
TC	Tinned Copper
LSZH	Low Smoke Zero Halogen
PVC	Polyvinyl Chloride
APAF	Aluminium-polyester-aluminium foil
FHDPE	Foamed High Density Poly Ethylene

Flex 2/75	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/0.28	SC	1.70	PE	Foil + TC	2.5	PVC	Grey/Grey	14.5	101-F665
	4	1/0.28	SC	1.70	PE	Foil + TC	8.4	PVC	Grey/Grey	77	101-F3988
	8	1/0.28	SC	1.70	PE	Foil + TC	10.0	PVC	Grey/Grey	135	101-F677
	16	1/0.28	SC	1.70	PE	Foil + TC	14.9	PVC	Grey/Grey	242.2	101-F3989



Flex 3/75	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/0.40	BC	2.30	PE	Foil + TC	3.6	PVC	Grey/Grey	19.5	101-F666
	4	1/0.40	BC	2.30	PE	Foil + TC	10.4	PVC	Grey/Grey	117.5	101-F5856
	8	1/0.40	BC	2.30	PE	Foil + TC	11.2	PVC	Grey/Grey	200	101-F679
	16	1/0.40	BC	2.30	PE	Foil + TC	18.7	PVC	Grey/Grey	392	101-F3345



Flex 3.9/75	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/0.50	BC	2.30	Foam + PE	Foil + TC	3.9	LSZH	Grey/Grey	22.3	101-F3975
	4	1/0.50	BC	2.30	Foam + PE	Foil + TC	11	LSZH	Grey/Grey	139.4	101-F10030
	8	1/0.50	BC	2.30	Foam + PE	Foil + TC	14.5	LSZH	Grey/Grey	266	101-F10031



Flex 4/75	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	7/0.20	TC	2.80	Foam PE	TC	4.5	PVC	Ivory	30.7	101-F667



Flex 5/75	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	7/0.20	TC	2.80	Foam PE	TC x 2	4.7	PVC	Grey	35	101-F9796
	4	7/0.20	TC	2.80	Foam PE	TC x 2	13.0	PVC	Grey	186.2	101-F10378
	8	7/0.20	TC	2.80	Foam PE	TC x 2	17.3	PVC	Grey	355	101-F4015
	16	7/0.20	TC	2.80	Foam PE	TC x 2	25.1	PVC	Grey	783	101-F4016



Flex 6/75	Cores	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	1	1/0.80	SC	3.90	Foam + PE	Foil + TC	6.0	PVC	Grey	47.4	101-F669



BC	Bare Copper
LSZH	Low Smoke Zero Halogen
PVC	Polyvinyl Chloride
TC	Tinned Copper
PE	Polyethylene
SC	Silvered Copper

RG Cables 50 ohm

RG58	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	RG58C/U Type	19/0.18	TC	2.95	PE	80%	TCCA	4.95	PVC	Black	29.5	101-RG5880PVC
	RG58C/U	19/0.18	TC	2.95	PE	86%	TC	4.95	PVC	Black	-	101-RG5886PVC
	RG58C/U Mil-C-17F PVC	19/0.18	TC	2.95	PE	94%	TC	4.95	PVC	Black	35.5	101-RG5894PVC
	RG58C/U Mil-C-17F LSZH	19/0.18	TC	2.95	PE	94%	TC	4.95	LSZH	Black	36.5	101-RG5894LSZH



RG142	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	RG142 B/U	1/0.95	CCS	2.95	PTFE	-	SC x 2	4.95	FEP	Brown	62	101-RG142BU



RG174	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	RG174A/U	7/0.16	CCS	1.52	PE	85%	TC	2.80	PVC	Black	12.5	101-RG17485PVC
	RG174A/U Mil-C-17F PVC	7/0.16	CCS	1.52	PE	90%	TC	2.60	PVC	Black	13.5	101-RG17490PVC
	RG174A/U Mil-C-17F LSZH	7/0.16	CCS	1.52	PE	90%	TC	2.60	LSZH	Black	14	101-RG17490LSZH



RG178	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	RG178 B/U	7/0.10	CCS	0.85	PTFE	-	SC	1.85	FEP	Brown	8.5	101-RG178BU



RG188	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	RG188 A/U	7/0.17	SC	1.52	PTFE	-	SC	2.60	FEP	Brown	-	101-RG188AU



AC	Annealed Copper	FEP	Fluorinated ethylene propylene	PVC	Polyvinyl Chloride
AF	Aluminium Foil	FPE	Foam Polyethylene	SC	Silvered Copper
BC	Bare Copper	LSZH	Low Smoke Zero Halogen	TC	Tinned Copper
CCA	Copper Clad Aluminium	PE	Polyethylene		
CCS	Copper Clad Steel	PTFE	Polytetrafluoroethylene		

RG Cables 50 ohm

RG213	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	RG213/U Type	7/0.75	BC	7.25	PE	98%	CCA	10.30	PVC	Black	116	101-RG21398PVCS
	RG213/U Mil-C-17F PVC	7/0.75	BC	7.25	PE	98%	BC	10.30	PVC	Black	150	101-RG21398PVC
	RG213/U Mil-C-17F LSZH	7/0.75	BC	7.25	PE	98%	BC	10.30	LSZH	Black	150	101-RG21398LSZH



RG214	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	RG214/U MIL-C-17F PVC	7/0.75	SC	7.25	PE	2/96,98%	SC	10.8	PVC	Black	205.3	101-RG21498PVC
	RG214/U MIL-C-17F LSZH	7/0.75	SC	7.25	PE	2/96,98%	SC	10.8	LSZH	Black	205.3	101-RG21498LSZH



RG223	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	RG223/U MIL-C-17F LSZH	1/0.90	SC	2.95	PE	2/98,97%	SC	5.4	LSZH	Black	59.9	101-RG22398LSZH
	RG223/U MIL-C-17F PVC	1/0.90	SC	2.95	PE	2/98,97%	SC	5.4	PVC	Black	59.9	101-RG21398PVC
	RG223/U Type	1/0.90	SC	2.95	PE	2/85,80%	SC	5.4	PVC	Black	46.3	101-RG22398PVCS



RG316	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	RG316U	7/0.17	SC	1.52	PTFE	-	SC	2.50	FEP	Brown	16	101-316U



RG400	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	RG400 MIL-C-175	19/0.203	SC	2.95	PTFE	-	SC	4.95	FEP	Brown	62.4	101-RG400



AC	Annealed Copper	FEP	Fluorinated ethylene propylene	PVC	Polyvinyl Chloride
AF	Aluminium Foil	FPE	Foam Polyethylene	SC	Silvered Copper
BC	Bare Copper	LSZH	Low Smoke Zero Halogen	TC	Tinned Copper
CCA	Copper Clad Aluminium	PE	Polyethylene		
CCS	Copper Clad Steel	PTFE	Polytetrafluoroethylene		

URM Cables 50 ohm

URM43	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	URM43 BS2316 PVC	1/0.19	AC	2.95	PE	91%	BC	5.0	PVC	Black	43	101-URM4391PVC
	URM43 BS2316 LSZH	1/0.19	AC	2.95	PE	91%	BC	5.0	LSZH	Black	43	101-RURM4391LSZH



URM67	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	URM67 BS2316 PVC	7/0.75	BC	7.25	FPE	92%	BC	10.3	PVC	Black	160	101-URM6792PVC
	URM67 BS2316 LSZH	7/0.75	BC	7.25	FPE	92%	BC	10.3	LSZH	Black	160	101-URM6792LSZH



URM76	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	URM76 BS2316 PVC	7/0.32	TC	2.95	PE	91%	BC	5.0	PVC	Black	37	101-URM7691PVC
	URM76 BS2316 LSZH	7/0.32	TC	2.95	PE	91%	BC	5.0	LSZH	Black	37	101-URM7691LSZH



URM108	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	URM108	1/1.0	SC	2.95	PTFE	-	SC	4.50	FEP	Brown	-	



AC	Annealed Copper	FEP	Fluorinated ethylene propylene	PVC	Polyvinyl Chloride
AF	Aluminium Foil	FPE	Foam Polyethylene	SC	Silvered Copper
BC	Bare Copper	LSZH	Low Smoke Zero Halogen	TC	Tinned Copper
CCA	Copper Clad Aluminium	PE	Polyethylene		
CCS	Copper Clad Steel	PTFE	Polytetrafluoroethylene		

RG Cables 75 ohm

RG6	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	RG6/U	1/1.02	CCS	4.60	FPE	60%	AF	6.10	PVC	Black	-	101-5021800



RG11	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	RG11 A/U Type	7/0.40	TC	7.25	PE	98%	CCA	10.30	PVC	Black	145.2	101-RG11PVC
	RG11 A/U MIL-C-17F	7/0.40	TC	7.25	PE	98%	BC	10.30	LSZH	Black	145.2	101-RG11LSZHMil



RG59	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	RG59B/U Type PVC	1/0.58	CCS	3.70	PE	80%	CCA	6.10	PVC	Black	37.5	101-RG5980PVC
	RG59B/U PVC	1/0.58	CCS	3.70	PE	86%	BC	6.10	PVC	Black		101-RG5986PVC
	RG59B/U MIL-C-17F (17G) PVC	1/0.59	CCS	3.70	PE	95%	BC	6.10	PVC	Black	44.5	101-RG5995PVC
	RG59B/U MIL-C-17F (17G) LSZH	1/0.59	CCS	3.70	PE	95%	BC	6.10	LSZH	Black	45.5	101-RG5995LSZH
	RG59B/U Type Duct Grade PE	1/0.58	CCS	3.70	PE	80%	CCA	6.10	PE	Black	30	101-RG5980PE
	RG59B/U Duct Grade PE	1/0.58	CCS	3.70	PE	86%	BC	6.10	PE	Black		101-RG5986PE
	RG59B/U MINI LSZH	1/0.41	CCS	1.90	FPE	70%	AF	3.60	LSZH	White	18	101-RG59MiniWhite



RG179 Flex	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	RG179 Flex LSZH	7/0.12	TC	1.60	FPE	98%	TC	2.60	LSZH	Black	13	101-RG179Flex
	RG179 Single Core PVC	1/0.36	TC	1.60	FPE	95%	TC	2.60	PVC	Grey	-	101-7901-005
	RG179 8 Core PVC	1/0.36	TC	1.60	FPE	95%	TC	11.0	PVC	Grey	-	101-7908-005
	RG179 16 Core PVC	1/0.36	TC	1.60	FPE	95%	TC	14.8	PVC	Grey	-	101-7916-005



RG179	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	RG179 B/U FEP	7/0.10	CCS	1.60	PTFE	-	TC	2.54	FEP	Brown	16	101-RG179BU



AC	Annealed Copper	FEP	Fluorinated ethylene propylene	PVC	Polyvinyl Chloride
AF	Aluminium Foil	FPE	Foam Polyethylene	SC	Silvered Copper
BC	Bare Copper	LSZH	Low Smoke Zero Halogen	TC	Tinned Copper
CCA	Copper Clad Aluminium	PE	Polyethylene		
CCS	Copper Clad Steel	PTFE	Polytetrafluoroethylene		

RG302/U	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	RG302/U FEP	1/0.64	CCS	3.70	PTFE	-	TC	2.54	FEP	Brown	16	101-RG302BU



URM70	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	URM70 BS2316 PVC	7/0.2	TC	3.25	PE	91%	BC	5.80	PVC	Black	46	101-URM7091PVC
	URM70 BS2316 LSZH	7/0.2	TC	3.25	PE	91%	BC	5.80	LSZH	Black	46	101-URM7091LSZH



URM203	Description	Inner Conductor		Dielectric		Screen		Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material	Coverage	Material	ø mm	Material	Colour		
	URM203 BS2316 PVC	1/1.2	AC	5.10	FPE	57%	BC	7.25	PVC	Black	55.7	101-URM20357PVC
	URM203 BS2316 LSZH	1/1.2	AC	5.10	FPE	57%	BC	7.25	LSZH	Black	55.7	101-URM20357LSZH



AC	Annealed Copper	FEP	Fluorinated ethylene propylene	PVC	Polyvinyl Chloride
AF	Aluminium Foil	FPE	Foam Polyethylene	SC	Silvered Copper
BC	Bare Copper	LSZH	Low Smoke Zero Halogen	TC	Tinned Copper
CCA	Copper Clad Aluminium	PE	Polyethylene		
CCS	Copper Clad Steel	PTFE	Polytetrafluoroethylene		

LMR®-100A

LMR®-100A

Flexible Low Loss Communications Coax

- Jumper Assemblies in Wireless Communication Systems
- Short Antenna Feeder runs
- Any application (e.g. WLL, GPS, LMR, WLAN, WISP, WiMax, SCADA, Mobile Antennas) requiring an easily routed, low loss RF cable
- Drop-in replacement for RG-316/RG-174 (uses standard connectors)

Electrical**Performance Property**

Velocity of Propagation	66%
Dielectric Constant	2.30
Time Delay	5.05 nS/m
Impedance	50 ohms
Capacitance	101.1 pF/m
Inductance	0.25 uH/m
Shielding Effectiveness	>90 dB
DC Resistance	

Inner Conductor 266 ohms/km

Outer Conductor 31.2 ohms/km

Voltage Withstand 500 Volts DC

Jacket Spark 2000 Volts RMS

Peak Power 0.6 kW

Flexibility and bendability are hallmarks of the LMR®-100A cable design. The flexible outer conductor enables the tightest bend radius available for any cable of similar size and performance.

Construction

Description	Material	mm	Inches
Inner Conductor	Solid BCCS	0.46	0.018
Dielectric	Solid PE	1.52	0.060
Outer Conductor	Aluminium Tape	1.65	0.065
Overall Braid	Tinned Copper	2.11	0.083
Jacket	(See Below)	2.79	0.110

Mechanical

Performance Property	Metric	US
Bend Radius: installation	6.4mm	0.25"
Bend Radius: repeated	25.4mm	1.0"
Bending Moment	0.014 N-m	0.1 ft-lb
Weight	0.014 kg/m	0.00092 lb/ft
Tensile Strength	6.8 kg	15 lb
Flat Plate Crush	0.18 kg/mm	10 lb/in.

Environmental

Performance Property	°C	°F
Installation Temp. Range	-40/+85	-40+185
Storage Temp. Range	-70/+85	-94+185
Jacket	4.95	0.195



Model	Application	Jacket	Colour	Stock Code
LMR®-100A-FR	Indoor/Outdoor Riser CMR	FRPE	Black	101-54037

A non-halogen (non-toxic), low smoke, fire retardant cable designed for in-building runs that can be routed anywhere except air handling plenums.

Model	Application	Jacket	Colour	Stock Code
LMR®-100A-PVC	Indoor/Outdoor	PVC	Black	101-54119
LMR®-100A-PVC-W	Indoor/Outdoor	PVC	White	101-54200

Designed for low loss general purpose indoor/outdoor applications and is somewhat more flexible than the standard polyethylene jacketed LMR. Available in white also, for marine and other indoor/outdoor applications where colour compatibility is desired.

LMR®-195

LMR®-195

Flexible Low Loss Communications Coax

- Jumper Assemblies in Wireless Communication Systems
- Short Antenna Feeder runs
- Any application (e.g. WLL, GPS, LMR, Mobile Antennas) requiring an easily routed, low loss RF cable
- Drop-in replacement for RG-58 and RG-142

Construction			
Description	Material	mm	Inches
Inner Conductor	Solid BC	0.94	0.037
Dielectric	Foam PE	2.79	0.110
Outer Conductor	Aluminium Tape	2.95	0.116
Overall Braid	Tinned Copper	3.53	0.139
Jacket	(See Below)	4.95	0.195

Flexibility and bendability are hallmarks of the LMR-195 cable design. The flexible outer conductor enables the tightest bend radius available for any cable of similar size and performance.



Model	Application	Jacket	Colour	Stock Code
LMR®-195	Outdoor	PE	Black	101-54110

LMR® standard is a UV Resistant Polyethylene jacketed cable designed for 20-year service outdoor use. The bending and handling characteristics are significantly better than air-dielectric and corrugated hard-line cables.

Model	Application	Jacket	Colour	Stock Code
LMR®-195-DB	Outdoor/Watertight	PE	Black	101-54113

Identical to standard LMR plus has the advantage of being watertight. The addition of waterproofing compound in and around the foil/braid insures continuous reliable service should the jacket be inadvertently damaged during installation or in the future.

Model	Application	Jacket	Colour	Stock Code
LMR®-195-FR	Indoor/Outdoor-Riser CMR	FRPE	Black	101-54111
LMR®-195-FR-W	Indoor/Outdoor-Riser CMR	FRPE	White	101-54158

A non-halogen (non-toxic), low smoke, fire retardant cable designed for in-building runs that can be routed anywhere except air handling plenums. LMR-FR is UL/NEC & CSA rated 'CMR' and 'FT4' respectively, meets FAA FAR25 requirements and is MSHA-P for mining applications.

Model	Application	Jacket	Colour	Stock Code
LMR®-195-FR-PVC	Indoor/Outdoor-Riser CMR	FRPVC	Black	101-54105

A general-purpose indoor cable and has a UL/NEC & CSA rating of 'CMR' and 'FT4' respectively. It is less expensive than LMR-FR, however it emits toxic fumes (HCL) and greater smoke density when burned.

Model	Application	Jacket	Colour	Stock Code
LMR®-195-PVC	Indoor/Outdoor	PVC	Black	101-54215
LMR®-195-PVC-W	Indoor/Outdoor	PVC	White	101-54199

Designed for low loss general-purpose indoor/outdoor applications and is somewhat more flexible than the standard polyethylene jacketed LMR. Available in white also, for marine and other indoor/outdoor applications where colour compatibility is desired.

Model	Application	Jacket	Colour	Stock Code
LMR®-195-MA	Mobile Antennas	PVC	Black	101-54210

A flexible cable designed specifically for mobile antenna applications. It has a PVC jacket and un-bonded aluminium tape to facilitate end stripping with automated equipment.

LMR®-200

LMR®-200

Flexible Low Loss Communications Coax

- Jumper Assemblies in Wireless Communication Systems
- Short Antenna Feeder runs
- Any application (e.g. WLL, GPS, LMR, WLAN, WISP, WiMax, SCADA, Mobile Antennas) requiring an easily routed, low loss RF cable

Construction

Description	Material	mm	Inches
Inner Conductor	Solid BC	1.12	0.044
Dielectric	Foam PE	2.95	0.116
Outer Conductor	Aluminium Tape	3.07	0.121
Overall Braid	Tinned Copper	3.66	0.144
Jacket	(See Below)	4.95	0.195

Flexibility and bendability are hallmarks of the LMR-200 cable design. The flexible outer conductor enables the tightest bend radius available for any cable of similar size and performance.



Model	Application	Jacket	Colour	Stock Code
LMR®-200	Outdoor	PE	Black	101-54022

LMR® standard is a UV Resistant Polyethylene jacketed cable designed for 20-year service outdoor use. The bending and handling characteristics are significantly better than air-dielectric and corrugated hard-line cables.

Model	Application	Jacket	Colour	Stock Code
LMR®-200-DB	Outdoor/Watertight	PE	Black	101-54089

Identical to standard LMR plus has the advantage of being watertight. The addition of waterproofing compound in and around the foil/braid insures continuous reliable service should the jacket be inadvertently damaged during installation or in the future.

Model	Application	Jacket	Colour	Stock Code
LMR®-200-FR	Indoor/Outdoor-Riser CMR	FRPE	Black	101-54028

A non-halogen (non-toxic), low smoke, fire retardant cable designed for in-building runs that can be routed anywhere except air handling plenums. LMR-FR is UL/NEC & CSA rated 'CMR' and 'FT4' respectively, meets FAA FAR25 requirements and is MSHA-P for mining applications.

Model	Application	Jacket	Colour	Stock Code
LMR®-200-FR-PVC	Indoor/Outdoor-Riser CMR	FRPVC	Black	101-54125

A general-purpose indoor cable and has a UL/NEC & CSA rating of 'CMR' and 'FT4' respectively. It is less expensive than LMR-FR, however it emits toxic fumes (HCL) and greater smoke density when burned.

Model	Application	Jacket	Colour	Stock Code
LMR®-200-PVC	General Purpose	PVC	Black	101-54216
LMR®-200-PVC-W	General Purpose	PVC	White	101-54201

Designed for low loss general-purpose indoor/outdoor applications and is somewhat more flexible than the standard polyethylene jacketed LMR. Available in white also, for marine and other indoor/outdoor applications where colour compatibility is desired.

Model	Application	Jacket	Colour	Stock Code
LMR®-200-MA	Mobile Antennas	PVC	Black	101-54045

A flexible cable designed specifically for mobile antenna applications. It has a PVC jacket and un-bonded aluminium tape to facilitate end stripping with automated equipment.

LMR®-240

LMR®-240

Flexible Low Loss Communications Coax

- Jumper Assemblies in Wireless Communication Systems
- Short Antenna Feeder runs
- Any application (e.g. WLL, GPS, LMR, WLAN, WiSP, WiMax, SCADA, Mobile Antennas) requiring an easily routed, low loss RF cable

Construction			
Description	Material	mm	Inches
Inner Conductor	Solid BC	1.42	0.056
Dielectric	Foam PE	3.81	0.150
Outer Conductor	Aluminium Tape	3.94	0.155
Overall Braid	Tinned Copper	4.52	0.178
Jacket	(See Below)	6.10	0.240

Flexibility and bendability are hallmarks of the LMR-240 cable design. The flexible outer conductor enables the tightest bend radius available for any cable of similar size and performance.



Model	Application	Jacket	Colour	Stock Code
LMR®-240	Outdoor	PE	Black	101-54021

The standard is a UV Resistant Polyethylene jacketed cable designed for 20-year service outdoor use. The bending and handling characteristics are significantly better than air-dielectric and corrugated hard-line cables.

Model	Application	Jacket	Colour	Stock Code
LMR®-240-DB	Outdoor/Watertight	PE	Black	101-54090

Identical to standard LMR plus has the advantage of being watertight. The addition of waterproofing compound in and around the foil/braid insures continuous reliable service should the jacket be inadvertently damaged during installation or in the future.

Model	Application	Jacket	Colour	Stock Code
LMR®-240-FR	Indoor/Outdoor-Riser CMR	FRPE	Black	101-54029

A non-halogen (non-toxic), low smoke, fire retardant cable designed for in-building runs that can be routed anywhere except air handling plenums. LMR-FR is UL/NEC & CSA rated 'CMR' and 'FT4' respectively, meets FAA FAR25 requirements and is MSHA-P for mining applications.

Model	Application	Jacket	Colour	Stock Code
LMR®-240-FR-PVC	Indoor/Outdoor-Riser CMR	FRPVC	Black	101-54214

A general-purpose indoor cable and has a UL/NEC & CSA rating of 'CMR' and 'FT4' respectively. It is less expensive than LMR-FR, however it emits toxic fumes (HCL) and greater smoke density when burned.

Model	Application	Jacket	Colour	Stock Code
LMR®-240-PVC	General Purpose	PVC	Black	101-54140
LMR®-240-PVC-W	General Purpose	PVC	White	101-54202

Designed for low loss general-purpose indoor/outdoor applications and is somewhat more flexible than the standard polyethylene jacketed LMR. Available in white also, for marine and other indoor/outdoor applications where colour compatibility is desired.

Model	Application	Jacket	Colour	Stock Code
LMR®-240-MA	Mobile Antennas	PVC	Black	101-54046

A flexible cable designed specifically for mobile antenna applications. It has a PVC jacket and un-bonded aluminium tape to facilitate end stripping with automated equipment.

LMR®-300

LMR®-300

Flexible Low Loss Communications Coax

- Jumper Assemblies in Wireless Communication Systems
- Short Antenna Feeder runs
- Any application (e.g. WLL, GPS, LMR, WLAN, WISP, WiMax, SCADA, Mobile Antennas) requiring an easily routed, low loss RF cable

Construction			
Description	Material	mm	Inches
Inner Conductor	Solid BC	1.78	0.070
Dielectric	Foam PE	4.83	0.190
Outer Conductor	Aluminium Tape	4.98	0.196
Overall Braid	Tinned Copper	5.72	0.225
Jacket	(See Below)	7.62	0.300

Flexibility and bendability are hallmarks of the LMR-300 cable design. The flexible outer conductor enables the tightest bend radius available for any cable of similar size and performance.



Model	Application	Jacket	Colour	Stock Code
LMR®-300	Outdoor	PE	Black	101-54086

The standard is a UV Resistant Polyethylene jacketed cable designed for 20-year service outdoor use. The bending and handling characteristics are significantly better than air-dielectric and corrugated hard-line cables.

Model	Application	Jacket	Colour	Stock Code
LMR®-300-DB	Outdoor/Watertight	PE	Black	101-54114

Identical to standard LMR plus has the advantage of being watertight. The addition of waterproofing compound in and around the foil/braid insures continuous reliable service should the jacket be inadvertently damaged during installation or in the future.

Model	Application	Jacket	Colour	Stock Code
LMR®-300-FR	Indoor/Outdoor-Riser CMR	FRPE	Black	101-54087

A non-halogen (non-toxic), low smoke, fire retardant cable designed for in-building runs that can be routed anywhere except air handling plenums. LMR-FR is UL/NEC & CSA rated 'CMR' and 'FT4' respectively, meets FAA FAR25 requirements and is MSHA-P for mining applications.

Model	Application	Jacket	Colour	Stock Code
LMR®-300-FR-PVC	Indoor/Outdoor-Riser CMR	FRPVC	Black	101-54108

A general-purpose indoor cable and has a UL/NEC & CSA rating of 'CMR' and 'FT4' respectively. It is less expensive than LMR-FR, however it emits toxic fumes (HCL) and greater smoke density when burned.

Model	Application	Jacket	Colour	Stock Code
LMR®-300-PVC	General Purpose	PVC	Black	101-54217
LMR®-300-PVC-W	General Purpose	PVC	White	101-54203

Designed for low loss general-purpose indoor/outdoor applications and is somewhat more flexible than the standard polyethylene jacketed LMR. Available in white also, for marine and other indoor/outdoor applications where colour compatibility is desired.

LMR®-400

LMR®-400

Flexible Low Loss Communications Coax

- Drop-in replacement for RG-8/9913 Air-Dielectric type Cable
- Jumper Assemblies in Wireless Communication Systems
- Short Antenna Feeder runs
- Any application (e.g. WLL, GPS, LMR, WLAN, WISP, WiMax, SCADA, Mobile Antennas) requiring an easily routed, low loss RF cable

Construction			
Description	Material	mm	Inches
Inner Conductor	Solid BC	2.74	0.108
Dielectric	Foam PE	7.24	0.285
Outer Conductor	Aluminium Tape	7.39	0.291
Overall Braid	Tinned Copper	8.13	0.320
Jacket	(See Below)	10.29	0.405

Flexibility and bendability are hallmarks of the LMR-400 cable design. The flexible outer conductor enables the tightest bend radius available for any cable of similar size and performance.



Model	Application	Jacket	Colour	Stock Code
LMR®-400	Outdoor	PE	Black	101-54001

The standard is a UV Resistant Polyethylene jacketed cable designed for 20-year service outdoor use. The bending and handling characteristics are significantly better than air-dielectric and corrugated hard-line cables.

Model	Application	Jacket	Colour	Stock Code
LMR®-400-DB	Outdoor/Watertight	PE	Black	101-54091

Identical to standard LMR plus has the advantage of being watertight. The addition of waterproofing compound in and around the foil/braid insures continuous reliable service should the jacket be inadvertently damaged during installation or in the future.

Model	Application	Jacket	Colour	Stock Code
LMR®-400-FR	Indoor/Outdoor-Riser CMR	FRPE	Black	101-54030

A non-halogen (non-toxic), low smoke, fire retardant cable designed for in-building runs that can be routed anywhere except air handling plenums. LMR-FR is UL/NEC & CSA rated 'CMR' and 'FT4' respectively, meets FAA FAR25 requirements and is MSHA-P for mining applications.

Model	Application	Jacket	Colour	Stock Code
LMR®-400-FR-PVC	Indoor/Outdoor-Riser CMR	FRPVC	Black	101-54073

A general-purpose indoor cable and has a UL/NEC & CSA rating of 'CMR' and 'FT4' respectively. It is less expensive than LMR-FR, however it emits toxic fumes (HCL) and greater smoke density when burned.

Model	Application	Jacket	Colour	Stock Code
LMR®-400-PVC	General Purpose	PVC	Black	101-54218
LMR®-400-PVC-W	General Purpose	PVC	White	101-54204

Designed for low loss general-purpose indoor/outdoor applications and is somewhat more flexible than the standard polyethylene jacketed LMR. Available in white also, for marine and other indoor/outdoor applications where colour compatibility is desired.

LMR®-500

LMR®-500

Flexible Low Loss Communications Coax

- Jumper Assemblies in Wireless Communication Systems
- Short Antenna Feeder runs
- Any application (e.g. WLL, GPS, LMR, WLAN, WiSP, WiMax, SCADA, Mobile Antennas) requiring an easily routed, low loss RF cable

Construction			
Description	Material	mm	Inches
Inner Conductor	Solid BCCAl	3.61	0.142
Dielectric	Foam PE	9.40	0.370
Outer Conductor	Aluminium Tape	9.55	0.376
Overall Braid	Tinned Copper	10.29	0.405
Jacket	(See Below)	12.70	0.500

Flexibility and bendability are hallmarks of the LMR-500 cable design. The flexible outer conductor enables the tightest bend radius available for any cable of similar size and performance.



Model	Application	Jacket	Colour	Stock Code
LMR®-500	Outdoor	PE	Black	101-54002

The standard is a UV Resistant Polyethylene jacketed cable designed for 20-year service outdoor use. The bending and handling characteristics are significantly better than air-dielectric and corrugated hard-line cables.

Model	Application	Jacket	Colour	Stock Code
LMR®-500-DB	Outdoor/Watertight	PE	Black	101-54092

Identical to standard LMR plus has the advantage of being watertight. The addition of waterproofing compound in and around the foil/ braid insures continuous reliable service should the jacket be inadvertently damaged during installation or in the future.

Model	Application	Jacket	Colour	Stock Code
LMR®-500-FR	Indoor/Outdoor-Riser CMR	FRPE	Black	101-54031

A non-halogen (non-toxic), low smoke, fire retardant cable designed for in-building runs that can be routed anywhere except air handling plenums. LMR-FR is UL/NEC & CSA rated 'CMR' and 'FT4' respectively, meets FAA FAR25 requirements and is MSHA-P for mining applications.

LMR®-600

LMR®-600

Flexible Low Loss Communications Coax

- Jumper Assemblies in Wireless Communication Systems
- Short Antenna Feeder runs
- Any application (e.g. WLL, GPS, LMR, WLAN, WISP, WiMax, SCADA, Mobile Antennas) requiring an easily routed, low loss RF cable

Construction			
Description	Material	mm	Inches
Inner Conductor	Solid BCCAl	4.47	0.176
Dielectric	Foam PE	11.56	0.455
Outer Conductor	Aluminium Tape	11.71	0.461
Overall Braid	Tinned Copper	12.45	0.490
Jacket	(See Below)	14.99	0.590

Flexibility and bendability are hallmarks of the LMR-600 cable design. The flexible outer conductor enables the tightest bend radius available for any cable of similar size and performance.



Model	Application	Jacket	Colour	Stock Code
LMR®-600	Outdoor	PE	Black	101-54003

The standard is a UV Resistant Polyethylene jacketed cable designed for 20-year service outdoor use. The bending and handling characteristics are significantly better than air-dielectric and corrugated hard-line cables.

Model	Application	Jacket	Colour	Stock Code
LMR®-600-DB	Outdoor/Watertight	PE	Black	101-54093

Identical to standard LMR plus has the advantage of being watertight. The addition of waterproofing compound in and around the foil/braid insures continuous reliable service should the jacket be inadvertently damaged during installation or in the future.

Model	Application	Jacket	Colour	Stock Code
LMR®-600-FR	Indoor/Outdoor-Riser CMR	FRPE	Black	101-54032

A non-halogen (non-toxic), low smoke, fire retardant cable designed for in-building runs that can be routed anywhere except air handling plenums. LMR-FR is UL/NEC & CSA rated 'CMR' and 'FT4' respectively, meets FAA FAR25 requirements and is MSHA-P for mining applications.

Model	Application	Jacket	Colour	Stock Code
LMR®-600-FR-PVC	Indoor/Outdoor-Riser CMR	FRPVC	Black	101-54074

A general-purpose indoor cable and has a UL/NEC & CSA rating of 'CMR' and 'FT4' respectively. It is less expensive than LMR-FR, however it emits toxic fumes (HCL) and greater smoke density when burned.

Model	Application	Jacket	Colour	Stock Code
LMR®-600-PVC	General Purpose	PVC	Black	101-54219
LMR®-600-PVC-W	General Purpose	PVC	White	101-54206

Designed for low loss general-purpose indoor/outdoor applications and is somewhat more flexible than the standard polyethylene jacketed LMR. Available in white also, for marine and other indoor/outdoor applications where colour compatibility is desired.

LMR®-900

LMR®-900

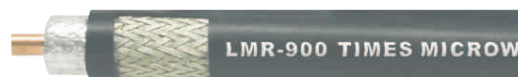
Flexible Low Loss Communications Coax

- Medium Antenna Feeder runs (no jumpers required)
- Jumper Assemblies for 1-5/8" & 2-1/4" Feeders
- Any application (e.g. WLL, GPS, LMR, WLAN, WISP, WiMax, SCADA, Mobile Antennas) requiring an easily routed, low loss RF cable

Construction

Description	Material	mm	Inches
Inner Conductor	BC Tube (.222" ID)	6.65	0.262
Dielectric	Foam PE	17.27	0.680
Outer Conductor	Aluminium Tape	17.42	0.686
Overall Braid	Tinned Copper	18.59	0.732
Jacket	(See Below)	22.10	0.870

Flexibility and bendability are hallmarks of the LMR-900 cable design. The flexible outer conductor enables the tightest bend radius available for any cable of similar size and performance.



Model	Application	Jacket	Colour	Stock Code
LMR®-900-DB	Outdoor/Watertight	PE	Black	101-54094

Identical to standard LMR plus has the advantage of being watertight. The addition of waterproofing compound in and around the foil/braid insures continuous reliable service should the jacket be inadvertently damaged during installation or in the future.

Model	Application	Jacket	Colour	Stock Code
LMR®-900-FR	Indoor/Outdoor-Riser CMR	FRPE	Black	101-54033

A non-halogen (non-toxic), low smoke, fire retardant cable designed for in-building runs that can be routed anywhere except air handling plenums. LMR-FR is UL/NEC & CSA rated 'CMR' and 'FT4' respectively, meets FAA FAR25 requirements and is MSHA-P for mining applications.

LMR®-1200

LMR®-1200

Flexible Low Loss Communications Coax

- Medium Antenna Feeder runs
- Jumper Assemblies for 1-5/8" & 2-1/4" Feeders
- Building-Top Sites
- Any application (e.g. WLL, GPS, LMR, WLAN, WISP, WiMax, SCADA, Mobile Antennas) requiring an easily routed, low loss RF cable

Construction			
Description	Material	mm	Inches
Inner Conductor	BC Tube (.309" ID)	8.86	0.349
Dielectric	Foam PE	23.37	0.920
Outer Conductor	Aluminium Tape	23.52	0.926
Overall Braid	Tinned Copper	24.69	0.972
Jacket	(See Below)	30.48	1.200

Flexibility and bendability are hallmarks of the LMR-1200 cable design. The flexible outer conductor enables the tightest bend radius available for any cable of similar size and performance.



Model	Application	Jacket	Colour	Stock Code
LMR®-1200-DB	Outdoor/Watertight	PE	Black	101-54095

Identical to standard LMR plus has the advantage of being watertight. The addition of waterproofing compound in and around the foil/braid insures continuous reliable service should the jacket be inadvertently damaged during installation or in the future.

Model	Application	Jacket	Colour	Stock Code
LMR®-1200-FR	Indoor/Outdoor-Riser CMR	FRPE	Black	101-54034

A non-halogen (non-toxic), low smoke, fire retardant cable designed for in-building runs that can be routed anywhere except air handling plenums. LMR-FR is UL/NEC & CSA rated 'CMR' and 'FT4' respectively, meets FAA FAR25 requirements and is MSHA-P for mining applications.

LMR®-1700

LMR®-1700

Flexible Low Loss Communications Coax

- Long Antenna Feeder runs
- Building-Top Sites
- Any application (e.g. WLL, GPS, LMR, WLAN, WISP, WiMax, SCADA, Mobile Antennas) requiring an easily routed, low loss RF cable

Construction			
Description	Material	mm	Inches
Inner Conductor	BC Tube (.477" ID)	13.39	0.527
Dielectric	Foam PE	34.29	1.350
Outer Conductor	Aluminium Tape	34.44	1.356
Overall Braid	Tinned Copper	35.61	1.402
Jacket	(See Below)	42.42	1.670

Flexibility and bendability are hallmarks of the LMR-1700 cable design. The flexible outer conductor enables the tightest bend radius available for any cable of similar size and performance.



Model	Application	Jacket	Colour	Stock Code
LMR®-1700-DB	Outdoor/Watertight	PE	Black	101-54096

Identical to standard LMR plus has the advantage of being watertight. The addition of waterproofing compound in and around the foil/braid insures continuous reliable service should the jacket be inadvertently damaged during installation or in the future.

Model	Application	Jacket	Colour	Stock Code
LMR®-1700-FR	Indoor/Outdoor-Riser CMR	FRPE	Black	101-54035

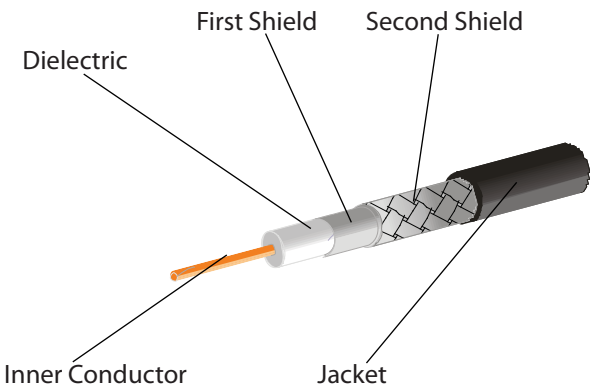
A non-halogen (non-toxic), low smoke, fire retardant cable designed for in-building runs that can be routed anywhere except air handling plenums. LMR-FR is UL/NEC & CSA rated 'CMR' and 'FT4' respectively, meets FAA FAR25 requirements and is MSHA-P for mining applications.

PAR-240UF (LMR 240UF Type)

Construction			
Item	Material	Diameter (inch)	Diameter (mm)
Inner Conductor	Stranded BC	0.056	1.42
Dielectric	Foam PE	0.150	3.81
First Shield	AL/P(Bonded)	0.155	3.94
Second Shield	TC Wire Braid (91% Coverage)	0.178	4.52
Jacket Black	TPE	0.240	6.10

Electrical		
Impedance (Ω)	50±3	
Capacitance (pF/m)	78±3	
Velocity Ratio (%)	>84	
Return Loss	5-470 MHz	>22 dB
	470-862 MHz	>16 dB
Insulation Resistance (MΩ/km)	>100,000	
Screening Effectiveness	30-1000 MHz	>85 dB
Inner Conductor DCR (Ω/km)	<14.5	
Outer Shield DCR (Ω/km)	<11.3	
Outdoor Installation (°C)	-5	
Operating Temp Range (°C)	-40 to +85	

Attenuation (@20 °C)			
Frequency (MHz)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)	
30	16.57	5.05	
50	21.46	6.54	
150	37.60	11.46	
220	45.80	13.96	
450	66.47	20.26	
900	95.90	29.23	
1500	126.18	38.46	
1800	139.34	42.47	
2000	147.60	44.99	
2500	166.90	50.87	
5000	268.34	81.79	



PAR-300 (LMR 300 Type)

Construction			
Item	Material	Diameter (inch)	Diameter (mm)
Inner Conductor	CCA	0.07	1.78
Dielectric	Foam PE	0.19	4.83
First Shield	Bonded Aluminium	0.196	4.98
Second Shield	Tinned Copper wire Braid	0.225	5.72
Jacket	PE (Black)	0.3	7.62

Electrical	
Impedance (Ω)	50 $\pm$ 2
Capacitance (pF/m)	75 $\pm$ 3
Velocity Ratio (%)	>85
Return Loss (db)	21
Screening Effectiveness (dB)	90
Inner Conductor DCR (Ω /km)	11
Outer Shield DCR (Ω /km)	7.5
Voltage withstand (Volts DC)	2000
Installation Temp Range ($^{\circ}$ C)	-40 to +85
Operating Temp Range ($^{\circ}$ C)	-40 to +85



Attenuation (@20 $^{\circ}$ C)		
Frequency (MHz)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
50	14.96	4.56
150	25.82	7.87
220	31.20	9.51
300	36.84	11.23
450	45.21	13.78
500	47.97	14.62
900	65.65	20.01
960	67.91	20.70
1500	85.04	25.92
1800	94.75	28.88
1900	96.75	29.49
2000	99.02	30.18
2200	105.48	32.15
2500	111.94	34.12

PAR-400 (LMR 400 Type)

Construction			
Item	Material	Diameter (inch)	Diameter (mm)
Inner Conductor	CCA	0.108	2.74
Dielectric	Foam PE	0.285	7.24
First Shield	Bonded Aluminium	0.291	7.39
Second Shield	Tinned Copper wire Braid	0.320	8.13
Jacket	PE (Black)	0.400	10.16

Electrical	
Impedance (Ω)	50±3
Capacitance (pF/m)	75±3
Velocity Ratio (%)	82
Return Loss (db)	21
Screening Effectiveness (dB)	90
Inner Conductor DCR (Ω/km)	4.6
Outer Shield DCR (Ω/km)	5.6
Voltage withstand (Volts DC)	2500
Installation Temp Range (°C)	-40 to +85
Operating Temp Range (°C)	-40 to +85



Attenuation (@20 °C)		
Frequency (MHz)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
30	0.7	2.2
50	0.9	2.9
150	1.5	5.0
220	1.9	6.1
450	2.7	8.9
900	3.9	12.8
1500	5.1	16.8
1800	5.7	18.6
2000	6.0	19.6
2500	6.8	22.2
5800	10.8	35.5

WEB-195 (LMR195 Type)

Description	Stock Code
WEB-195 (LMR195 Type)	101-140195-BLK-1000
WEB-195 (LMR195 FR Type)	101-140195-BLK-LSZH-1000

Construction		
Item	Material	Diameter (mm)
Inner Conductor	Plain Copper	0.94
Dielectric	Foamed Polyethylene Insulation	2.80
Screen	Aluminium Polyester foil tape Bonded	
Screen	Tinned Copper Braid (>90% Coverage)	
Sheath	PE or LSZH Black	4.90 ±0.30
Standard Reel Lengths	500m, 1000m, Custom length	

Electrical		
DC resistance Inner conductor	$\leq 24.9 \Omega/\text{km} @ 20^{\circ}\text{C}$	
DC resistance Outer conductor	$\leq 16.1 \Omega/\text{km} @ 20^{\circ}\text{C}$	
Characteristic Impedance	$50 \pm 3 \Omega$	
Capacitance	83pF/m (nominal)	
Velocity Ratio	0.85	
Min. Installation Temp (°C)	-5 °C	
Operating Temp Range (°C)	-15°C to +70°C	



Attenuation (d/B 100m @ 20°C)	
Frequency (MHz)	Attenuation
50	<8.4
150	<14.6
220	<17.7
450	<25.5
900	<36.5
1500	<47.7
1800	<52.5

Return Loss (MHz)	
5 – 470	≥ 20
470 – 1000	≥ 18

WEB-240 (LMR 240 Type)

Description	Stock Code
WEB-240 PE (LMR240 Type)	101-W240-060
WEB-240 LSZH (LMR240FR Type)	101-W240LZ-060

Construction		
Item	Material	Diameter (mm)
Inner Conductor	Plain Copper	1.44
Dielectric	Foamed Polyethylene Insulation	3.80
Screen	Aluminium Polyester foil tape Bonded	
Screen	Tinned Copper Braid (90% Coverage)	
Sheath	PE or LSZH	6.10

Electrical	
DC resistance Inner conductor	≤ 10.5 Ω/km @ 20°C
DC resistance Outer conductor	≤ 12.8 Ω/km @ 20°C
Characteristic Impedance	50 ± 3Ωm
Capacitance	75pF/m (nominal)
Velocity Ratio	0.85
Min. Installation. Temp (°C)	-5 °C
Operating Temp Range (°C)	-15°C to +70°C



Attenuation (d/B 100m @ 20°C)	
Frequency (MHz)	Attenuation
50	<6.3
150	<10.9
220	<13.2
460	<19.0
900	<27.3
1500	<35.6
1800	<39.2

Return Loss	
5 – 470	≥25
470 – 862	≥24
862 – 2150	≥23

WEB-300 PE (LMR300 Type)

Description	Stock Code
WEB-300 PE (LMR300 Type)	101-W300-060
WEB-300 LSZH (LMR300FR Type)	101-W300LZ-060

Construction		
Item	Material	Diameter (mm)
Inner Conductor	Plain Copper	1.78
Dielectric	Foamed Polyethylene Insulation	4.80
Screen	Aluminium Polyester foil tape Bonded	
Screen	Tinned Copper Braid (90% Coverage)	
Sheath	PE or LSZH	7.60

Electrical	
DC resistance Inner conductor	$\leq 7.0 \Omega/\text{km}$ @ 20°C
DC resistance Outer conductor	$\leq 7.3 \Omega/\text{km}$ @ 20°C
Characteristic Impedance	$50 \pm 3 \Omega$
Capacitance	75pF/m (nominal)
Velocity Ratio	0.85
Min. Installation. Temp (°C)	-5 °C
Operating Temp Range (°C)	-15°C to +70°C



Attenuation (d/B 100m @ 20°C)	
Frequency (MHz)	Attenuation
50	< 5.0
150	< 8.7
220	<10.6
460	<15.2
900	<21.9
1500	<28.6
1800	<31.6

Return Loss	
5 – 470	≥ 25
470 – 862	≥ 24
862 – 2150	≥ 23

WEB-400 (LMR400 Type)

Description	Stock Code
WEB-400 PE (LMR400 Type)	101-W400-060
WEB-400 LSZH (LMR400FR Type)	101-W400LZ-060

Construction		
Item	Material	Diameter (mm)
Inner Conductor	CCA	2.74
Dielectric	Foam PE	7.25
Screen	Bonded Aluminium	
Screen	Tinned Copper wire Braid (>90% Coverage)	
Sheath	PE or LSZH	10.10

Electrical	
DC resistance Inner conductor	4.6 (Ω /km) @ 20°C
DC resistance Outer conductor	5.6 (Ω /km) @ 20°C
Voltage Withstand	2500 (Volts DC)
Characteristic Impedance	50 $\pm$ 3Ohm
Capacitance	75 $\pm$ 3
Velocity Ratio	0.83
Min. Installation. Temp (°C)	-5 °C
Operating Temp Range (°C)	-15°C to +70°C



Attenuation (d/B 100m @ 20°C)	
Frequency (MHz)	Attenuation
50	<2.9
150	<5.0
220	<6.1
460	<8.9
900	<12.8
1500	<16.8
1800	<18.6

Return Loss	
5 – 470	$\geq$ 25
470 – 862	$\geq$ 24
862 – 2150	$\geq$ 23

WEB-600 (LMR 600 Type)

Description	Stock Code
WEB-600 PE (LMR600 Type)	101-W600-060
WEB-600 LSZH (LMR600FR Type)	101-W600LZ-060

Construction		
Item	Material	Diameter (mm)
Inner Conductor	CCA	4.47
Dielectric	Foam PE	11.60
Screen	Aluminium Polyester foil tape Bonded	
Screen	Tinned Copper wire Braid (>90% Coverage)	
Sheath	PE or LSZH	15.0

Electrical	
DC resistance Inner conductor	$\leq 1.8 \Omega/\text{km}$ @ 20°C
DC resistance Outer conductor	$\leq 4.0 \Omega/\text{km}$ @ 20°C
Characteristic Impedance	$50 \pm 3 \Omega$
Capacitance	73pF/m (nominal)
Velocity Ratio	0.85
Min. Installation. Temp (°C)	-5 °C
Operating Temp Range (°C)	-15°C to +70°C



Attenuation (d/B 100m @ 20°C)	
Frequency (MHz)	Attenuation
50	<2.0
150	<3.5
220	<4.3
460	<6.2
900	<9.0
1500	<12.0
1800	<13.3
2000	<14.1

Return Loss	
5 – 470	≥ 25
470 – 862	≥ 24
862 – 2150	≥ 23

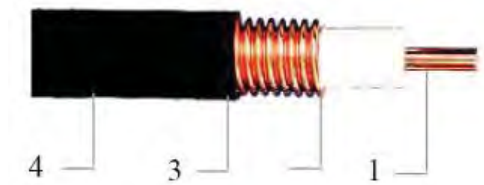
1/4" Superflexible Foamed Coaxial Cable

Description	Type	Stock Code
PE	RF5014S	115-3110101
Fire Retardant PE	RF5014S Z	115-3110102

Construction		
Inner Conductor	Material	Copper clad aluminum wire
	Diameter, mm	1.90±0.02
Insulation	Material	Physically foamed PE
	Diameter, mm	4.70±0.20
Outer conductor	Material	Helically corrugated copper
	Diameter, mm	6.40±0.20
Jacket	Material	PE or fire retardant PE
	Diameter, mm	7.40±0.20

Mechanical properties		
Bending Radius, mm	Single	20
	Repeated	25
	Moving	-
Pulling strength, N		680
Crush resistance, kg/mm		1.8
Recommended temperature °C		PE FRPE
Store		-70~+85 -30~+80
Installation		-40~+60 -25~+60
Operation		-55~+85 -30~+80

Electrical Properties	
Impedance,Ω	50±1
Capacitance, PF/m	79.4
Propagation velocity, %	84
DC breakdown voltage, kV	1.6
Insulation resistance, MΩ•km	>5×10 ³
Peak power, kW	6.4
Screening attenuation, dB	>>120
Cut-off frequency, GHz	20.4



- 1. Inner Conductor
- 2. Insulation
- 3. Outer conductor
- 4. Jacket

Attenuation and average power		
Frequency MHz	Nom. attenuation @20°C,dB/100m	Power rate @20°C,kW
10	1.83	3.97
100	5.89	1.23
200	8.41	0.865
450	12.80	0.567
800	17.40	0.419
900	18.40	0.395
1000	19.60	0.372
1500	24.30	0.299
1800	26.90	0.271
2000	28.50	0.256
2300	30.70	0.237
3000	35.60	0.204

Maximum attenuation value shall be 105% of the nominal attenuation value

VSWR	
800~1000MHz	≤1.15
1700~2200MHz	≤1.15
5~3000MHz	≤1.25

1/4" Low Loss Foamed Coaxial Cable

Description	Type	Stock Code
PE	RF5014	115-3110201
Fire Retardant PE	RF5014 Z	115-3110202

Construction		
Inner Conductor	Material	Copper clad aluminum wire
	Diameter, mm	2.60±0.025
Insulation	Material	Physically foamed PE
	Diameter, mm	6.35±0.20
Outer conductor	Material	Ring corrugated copper
	Diameter, mm	7.75±0.20
Jacket	Material	PE or fire retardant PE
	Diameter, mm	8.80±0.20

Mechanical properties

Bending Radius, mm	Single	30
	Repeated	76
	Moving	-
Pulling strength, N		910
Crush resistance, kg/mm		1.4
Recommended temperature °C	PE	FRPE
Store	-70~+85	-30~+80
Installation	-40~+60	-25~+60
Operation	-55~+85	-30~+80

Electrical Properties

Impedance, Ω	50±1
Capacitance, PF/m	76.8
Propagation velocity, %	86
DC breakdown voltage, kV	2.2
Insulation resistance, MΩ•km	>5×10 ³
Peak power, kW	12.1
Screening attenuation, dB	>>120



1. Inner Conductor
2. Insulation
3. Outer conductor
4. Jacket

Attenuation and average power

Frequency MHz	Nom. attenuation @20°C, dB/100m	Power rate @20°C, kW
10	1.25	5.79
100	4.05	1.79
200	5.80	1.25
450	8.88	0.818
800	12.10	0.601
900	12.80	0.566
1000	13.60	0.533
1500	17.00	0.426
1800	18.90	0.385
2000	20.00	0.363
2300	21.60	0.336
3000	25.20	0.269

Maximum attenuation value shall be 105% of the nominal attenuation value

VSWR

800~1000MHz	≤1.15
1700~2200MHz	≤1.15
5~3000MHz	≤1.25

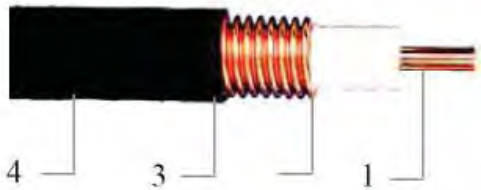
3/8" Superflexible Foamed Coaxial Cable

Description	Type	Stock Code
PE	RF5038S	115-3110301
Fire Retardant PE	RF5038S Z	115-3110302

Construction		
Inner Conductor	Material	Copper clad aluminum wire
	Diameter, mm	2.80±0.03
Insulation	Material	Physically foamed PE
	Diameter, mm	7.00±0.20
Outer conductor	Material	Helically corrugated copper
	Diameter, mm	9.52±0.20
Jacket	Material	PE or fire retardant PE
	Diameter, mm	10.80±0.20

Mechanical properties		
Bending Radius, mm	Single	25
	Repeated	50
	Moving	-
Pulling strength, N	950	
Crush resistance, kg/mm	1.8	
Recommended temperature °C	PE	FRPE
	Store	-70~+85 -30~+80
Installation	-40~+60 -25~+60	
Operation	-55~+85 -30~+80	

Electrical Properties	
Impedance,Ω	50±1
Capacitance, PF/m	79.7
Propagation velocity, %	83
DC breakdown voltage, kV	2.3
Insulation resistance, MΩ•km	>5×10 ³
Peak power, kW	13.2
Screening attenuation, dB	>>120



- 1. Inner Conductor
- 2. Insulation
- 3. Outer conductor
- 4. Jacket

Attenuation and average power		
Frequency MHz	Nom. attenuation @20°C,dB/100m	Power rate @20°C,kW
10	1.22	6.92
100	3.94	2.14
200	5.65	1.49
450	8.66	0.975
800	11.80	0.715
900	12.50	0.673
1000	13.30	0.634
1500	16.70	0.507
1800	18.50	0.457
2000	19.60	0.431
2300	21.20	0.398
3000	24.70	0.342

Maximum attenuation value shall be 105% of the nominal attenuation value

VSWR	
800~1000MHz	≤1.15
1700~2200MHz	≤1.15
5~3000MHz	≤1.25

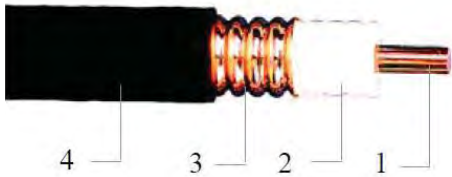
3/8" Low Loss Foamed Coaxial Cable

Description	Type	Stock Code
PE	RF5038	115-3110401
Fire Retardant PE	RF5038 Z	115-3110402

Construction		
Inner Conductor	Material	Copper clad aluminum wire
	Diameter, mm	3.15±0.03
Insulation	Material	Physically foamed PE
	Diameter, mm	8.20±0.20
Outer conductor	Material	Ring corrugated copper
	Diameter, mm	9.53±0.20
Jacket	Material	PE or fire retardant PE
	Diameter, mm	11.20±0.20

Mechanical properties		
Bending Radius, mm	Single	50
	Repeated	95
	Moving	300
Pulling strength, N	800	
Crush resistance, kg/mm	2.0	
Recommended temperature °C	PE	FRPE
Store	-70~+85	-30~+80
Installation	-40~+60	-25~+60
Operation	-55~+85	-30~+80

Electrical Properties	
Impedance,Ω	50±1
Capacitance, PF/m	75
Propagation velocity, %	88
DC breakdown voltage, kV	2.5
Insulation resistance, MΩ•km	>5×10 ³
Peak power, kW	15.6
Screening attenuation, dB	>>120



- 1. Inner Conductor
- 2. Insulation
- 3. Outer conductor
- 4. Jacket

Attenuation and average power		
Frequency MHz	Nom. attenuation @20°C,dB/100m	Power rate @20°C,kW
10	1.06	7.23
100	3.42	2.24
200	4.90	1.56
450	7.51	1.02
800	10.20	0.748
900	10.90	0.702
1000	11.60	0.663
1500	14.40	0.530
1800	16.00	0.479
2000	17.00	0.451
2500	19.30	0.400
3000	21.40	0.358

Maximum attenuation value shall be 105% of the nominal attenuation value

VSWR	
800~1000MHz	≤1.15
1700~2200MHz	≤1.15
5~3000MHz	≤1.25

1/2" Superflexible Foamed Coaxial Cable

Description	Type	Stock Code
PE	RF5012S	115-3110501
Fire Retardant PE	RF5012S Z	115-3110502

Construction		
Inner Conductor	Material	Copper clad aluminum wire
	Diameter, mm	3.60±0.04
Insulation	Material	Physically foamed PE
	Diameter, mm	8.80±0.20
Outer conductor	Material	Helically corrugated copper
	Diameter, mm	12.20±0.20
Jacket	Material	PE or fire retardant PE
	Diameter, mm	13.40±0.20

Mechanical properties

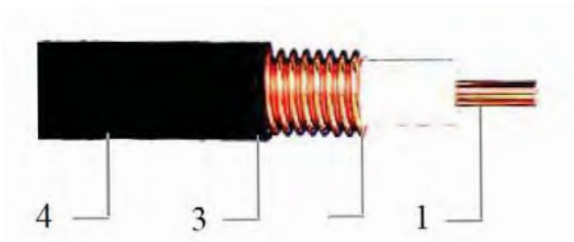
Bending Radius, mm	Single	25
	Repeated	30
	Moving	200

Pulling strength, N	800
Crush resistance, kg/mm	1.9

Recommended temperature °C	PE	FRPE
Store	-70~+85	-30~+80
Installation	-40~+60	-25~+60
Operation	-55~+85	-30~+80

Electrical Properties

Impedance,Ω	50±1
Capacitance, PF/m	82
Propagation velocity, %	81
DC breakdown voltage, kV	2.5
Insulation resistance, MΩ•km	>5×10 ³
Peak power, kW	15.6
Screening attenuation, dB	>>120
Cut-off frequency, GHz	10.2



- 1. Inner Conductor
- 2. Insulation
- 3. Outer conductor
- 4. Jacket

Attenuation and average power		
Frequency MHz	Nom. attenuation @20°C,dB/100m	Power rate @20°C,kW
10	1.04	10.1
100	3.41	3.08
200	4.91	2.14
450	7.59	1.38
800	10.4	1.01
900	11.2	0.943
1000	11.8	0.889
1500	14.9	0.705
1800	16.6	0.634
2000	17.6	0.597
2500	19.7	0.535
3000	22.4	0.469

Maximum attenuation value shall be 105% of the nominal attenuation value

VSWR	
800~1000MHz	≤1.15
1700~2200MHz	≤1.15
5~3000MHz	≤1.25

1/2" Low Loss Foamed Coaxial Cable

Description	Type	Stock Code
PE	RF5012	115-3110601
Fire Retardant PE	RF5012 Z	115-3110602

Construction

Inner Conductor	Material	Copper clad aluminum wire
	Diameter, mm	4.80±0.05
Insulation	Material	Physically foamed PE
	Diameter, mm	12.20±0.30
Outer conductor	Material	Ring corrugated copper
	Diameter, mm	13.80±0.20
Jacket	Material	PE or fire retardant PE
	Diameter, mm	15.80±0.20

Mechanical properties

Bending Radius, mm	Single	70
	Repeated	125
	Moving	350

Pulling strength, N	1130
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Crush resistance, kg/mm	2.0
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Recommended temperature °C	PE	FRPE
Store	-70~+85	-30~+80
Installation	-40~+60	-25~+60
Operation	-55~+85	-30~+80

Electrical Properties

Impedance, Ω	50±1
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Capacitance, PF/m	75.8
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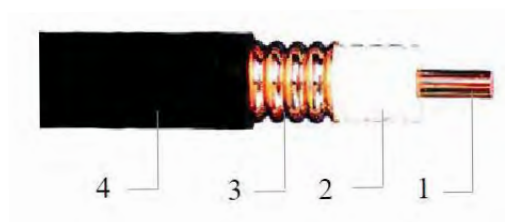
Propagation velocity, %	88
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DC breakdown voltage, kV	4.0
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Insulation resistance, MΩ•km	>5×10 ³
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Peak power, kW	40
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Screening attenuation, dB	>>120
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1. Inner Conductor
2. Insulation
3. Outer conductor
4. Jacket

Attenuation and average power

Frequency MHz	Nom. attenuation @20°C, dB/100m	Power rate @20°C, kW
10	0.672	11.30
100	2.17	3.49
200	3.10	2.44
450	4.75	1.59
800	6.46	1.17
900	6.87	1.10
1000	7.28	1.04
1500	9.09	0.833
1800	10.10	0.753
2000	10.70	0.710
2500	12.10	0.627
3000	13.40	0.565

Maximum attenuation value shall be 105% of the nominal attenuation value

VSWR

800~1000MHz	≤1.15
1700~2200MHz	≤1.15
5~3000MHz	≤1.25

7/8" Superflexible Foamed Coaxial Cable

Description	Type	Stock Code
PE	RF5078S	115-3110901
Fire Retardant PE	RF5078S Z	115-3110902

Construction

Inner Conductor	Material	Helically copper tube
	Diameter, mm	9.42±0.10
Insulation	Material	Physically foamed PE
	Diameter, mm	22.50±0.40
Outer conductor	Material	Ring corrugated copper
	Diameter, mm	24.90±0.30
Jacket	Material	PE or fire retardant PE
	Diameter, mm	27.30±0.20

Mechanical properties

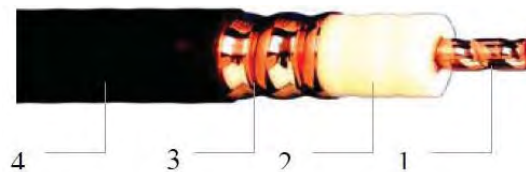
Bending Radius, mm	Single	40
	Repeated	125
	Moving	-
Pulling strength, N		1020
Crush resistance, kg/mm		1.4

Recommended temperature °C

	PE	FRPE
Store	-70~+85	-30~+80
Installation	-40~+60	-25~+60
Operation	-55~+85	-30~+80

Electrical Properties

Impedance, Ω	50±1
Capacitance, PF/m	74.2
Propagation velocity, %	83
DC breakdown voltage, kV	6.0
Insulation resistance, MΩ•km	>5×10 ³
Peak power, kW	91
Screening attenuation, dB	>>120
Cut-off frequency, GHz	4.9



1. Inner Conductor
2. Insulation
3. Outer conductor
4. Jacket

Attenuation and average power

Frequency MHz	Nom. attenuation @20°C, dB/100m	Power rate @20°C, kW
10	0.402	21.50
100	1.30	6.62
200	1.87	4.61
450	2.88	2.99
800	3.94	2.19
900	4.20	2.06
1000	4.46	1.94
1500	5.60	1.54
1800	6.21	1.39
2000	6.59	1.31
2300	7.15	1.21
3000	8.35	1.04

Maximum attenuation value shall be 105% of the nominal attenuation value

VSWR

800~1000MHz	≤1.15
1700~2200MHz	≤1.15
5~3000MHz	≤1.25

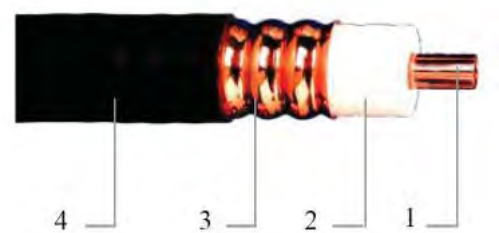
7/8" Low Loss Foamed Coaxial Cable

Description	Type	Stock Code
PE	RF5078	115-3110801
Fire Retardant PE	RF5078 Z	115-3110802

Construction		
Inner Conductor	Material	Smooth copper tube
	Diameter, mm	8.95±0.05
Insulation	Material	Physically foamed PE
	Diameter, mm	22.50±0.40
Outer conductor	Material	Ring corrugated copper
	Diameter, mm	24.90±0.30
Jacket	Material	PE or fire retardant PE
	Diameter, mm	27.30±0.20

Mechanical properties			
Bending Radius, mm	Single	120	
	Repeated	250	
	Moving	500	
Pulling strength, N		1470	
Crush resistance, kg/mm		1.4	
Recommended temperature °C		PE	FRPE
Store		-70~+85	-30~+80
Installation		-40~+60	-25~+60
Operation		-55~+85	-30~+80

Electrical Properties	
Impedance,Ω	50±1
Capacitance, PF/m	75
Propagation velocity, %	88
DC breakdown voltage, kV	6.0
Insulation resistance, MΩ•km	>5×10 ³
Peak power, kW	91
Screening attenuation, dB	>>120
Cut-off frequency, GHz	5.0



- 1. Inner Conductor
- 2. Insulation
- 3. Outer conductor
- 4. Jacket

Attenuation and average power		
Frequency MHz	Nom. attenuation @20°C,dB/100m	Power rate @20°C,kW
10	0.366	24.6
100	1.19	7.56
200	1.72	5.26
450	2.65	3.41
800	3.63	2.48
900	3.88	2.33
1000	4.12	2.19
1500	5.18	1.74
1800	5.75	1.57
2000	6.11	1.48
2500	6.95	1.30
3000	7.76	1.16

Maximum attenuation value shall be 105% of the nominal attenuation value

VSWR	
800~1000MHz	≤1.15
1700~2200MHz	≤1.15
5~3000MHz	≤1.25

1-1/4" Low Loss Foamed Coaxial Cable

Description	Type	Stock Code
PE	RF50114	115-3111001
Fire Retardant PE	RF50114 Z	115-3111002

Construction

Inner Conductor	Material	Smooth copper tube
	Diameter, mm	13.10±0.05
Insulation	Material	Physically foamed PE
	Diameter, mm	32.80±0.40
Outer conductor	Material	Ring corrugated copper
	Diameter, mm	35.80±0.30
Jacket	Material	PE or fire retardant PE
	Diameter, mm	38.80±0.30

Mechanical properties

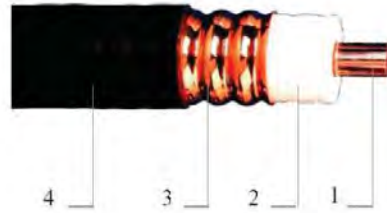
Bending Radius, mm	Single	200
	Repeated	380
	Moving	-
Pulling strength, N		5900
Crush resistance, kg/mm		2.2

Recommended temperature °C

	PE	FRPE
Store	-70~+85	-30~+80
Installation	-40~+60	-25~+60
Operation	-55~+85	-30~+80

Electrical Properties

Impedance, Ω	50±1
Capacitance, PF/m	75
Propagation velocity, %	89
DC breakdown voltage, kV	9.0
Insulation resistance, MΩ•km	>5×10 ³
Peak power, kW	205
Screening attenuation, dB	>>120
Cut-off frequency, GHz	3.3



1. Inner Conductor
2. Insulation
3. Outer conductor
4. Jacket

Attenuation and average power

Frequency MHz	Nom. attenuation @20°C, dB/100m	Power rate @20°C, kW
10	0.253	38.6
100	0.832	11.7
200	1.20	8.12
450	1.87	5.22
800	2.59	3.78
900	2.77	3.53
1000	2.94	3.32
1500	3.73	2.62
1800	4.16	2.35
2000	4.43	2.21
2300	5.08	1.92
3000	5.68	1.72

Maximum attenuation value shall be 105% of the nominal attenuation value

VSWR

800~1000MHz	≤1.15
1700~2200MHz	≤1.15
5~3000MHz	≤1.25

1-5/8" Low Loss Foamed Coaxial Cable PE

Description	Type	Stock Code
PE	RF50158	115-3111201
Fire Retardant PE	RF50158 Z	115-3111202

Construction

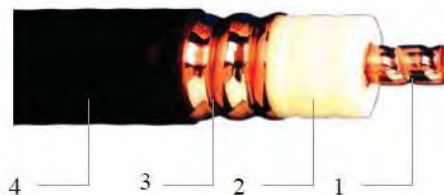
Inner Conductor	Material	Helically corrugated copper
	Diameter, mm	17.30±0.10
Insulation	Material	Physically foamed PE
	Diameter, mm	43.50±0.60
Outer conductor	Material	Ring corrugated copper
	Diameter, mm	46.50±0.30
Jacket	Material	PE or fire retardant PE
	Diameter, mm	49.50±0.40

Mechanical Properties

Bending Radius, mm	Single	300
	Repeated	510
	Moving	-
Pulling strength, N	3630	
Crush resistance, kg/mm	2.1	
Recommended temperature °C	PE	FRPE
Store	-70~+85	-30~+80
Installation	-40~+60	-25~+60
Operation	-55~+85	-30~+80

Electrical Properties

Impedance, Ω	50±1
Capacitance, PF/m	76
Propagation velocity, %	88
DC breakdown voltage, kV	11
Insulation resistance, MΩ•km	>5×10 ³
Peak power, kW	315
Screening attenuation, dB	>>120
Cut-off frequency, GHz	2.5



1. Inner Conductor
2. Insulation
3. Outer conductor
4. Jacket

Attenuation and average power

Frequency MHz	Nom. attenuation @20°C, dB/100m	Power rate @20°C, kW
10	0.202	54.3
100	0.671	16.4
150	0.834	13.2
200	0.976	11.3
300	1.22	9.01
450	1.53	7.18
800	2.13	5.15
900	2.29	4.81
1000	2.43	4.52
1500	3.11	3.54
1800	3.47	3.17
2000	3.71	2.96
2500	4.27	2.58

Maximum attenuation value shall be 105% of the nominal attenuation value

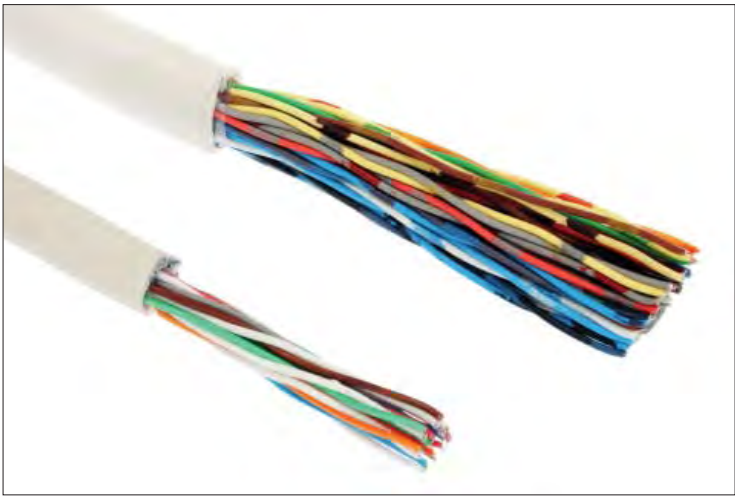
VSWR

800~1000MHz	≤1.15
1700~2200MHz	≤1.15
5~3000MHz	≤1.25

120 ohm Screened Multi-Pair

Description	Diameter (mm)	Stock Code
1 pair	3.70	102-1001-005
2 pair	5.35	102-1002-005
3 pair	5.80	102-1003-005
4 pair	6.35	102-1004-005
8 pair	8.18	102-1008-005
10 pair	9.55	102-1010-005
12 pair	11.20	102-1012-005
14 pair	10.35	102-1014-005
15 pair	10.50	102-1015-005
16 pair	11.00	102-1016-005
20 pair	11.20	102-1020-005
25 pair	13.00	102-1025-005
30 pair	13.85	102-1030-005
32 pair	14.05	102-1032-005
34 pair	15.00	102-1034-005
50 pair	17.40	102-1050-005

Specifications	
Item	Material
Inner Conductor	0.5mm (24AWG) Tinned Copper Wire
Dielectric	Cellular Foam PE
Shield	Aluminium Foil plus drain wire
Sheath	White PVC
Impedance	120ohm
Capacitance	40 pF/m
Attenuation @ 1MHz	2.2dB/100m
DC Resistance	<96.5 ohm/km



Coax Cable Assemblies Part Code Structure

301-BBBBCCBBBB-XXX/LL

301=Style	BBBB=Connector	CC=Cable	BBBB=Connector	XXX=Brand	LL=Length
301 Single Core Also available in multicore	0000 Nothing (pigtail)	15 1.5C-2V	0000 Nothing (pigtail)	050 NM	
	0150 BT43 DDF Plug	25 2.5C-2V	0150 BT43 DDF Plug	Also available in multicore	
	0160 BT43 Straight Latcher	32 3C-2V	0160 BT43 Straight Latcher		
	0165 BT43 Right-Angled Latcher	34 AT&T734	0165 BT43 Right-Angled Latcher		
	0250 HDC43 DDF Plug	35 AT&T735A	0250 HDC43 DDF Plug		
	0260 HDC43 Straight Latcher	01 BT2001	0260 HDC43 Straight Latcher		
	0350 UHDC43 DDF Plug	02 BT2002	0350 UHDC43 DDF Plug		
	0360 UHDC43 Straight Latcher	03 BT2003	0360 UHDC43 Straight Latcher		
	0510 1.0/2.3 Straight Plug	05 BT3002	0510 1.0/2.3 Straight Plug		
	0515 1.0/2.3 Right-Angled Plug	06 BT5000	0515 1.0/2.3 Right-Angled Plug		
	0525 1.0/2.3 straight B/H Jack	xx Flex 2	0525 1.0/2.3 straight B/H Jack		
	0535 1.0/2.3 Right-Angled B/H Jack	43 Flex 3	0535 1.0/2.3 Right-Angled B/H Jack		
	0610 1.6/5.6 Straight Plug	19 Flex 3.9	0610 1.6/5.6 Straight Plug		
	0615 1.6/5.6 Right-Angled Plug	45 Flex 5	0615 1.6/5.6 Right-Angled Plug		
	0625 1.6/5.6 Straight B/H Jack	46 Flex 6	0625 1.6/5.6 Straight B/H Jack		
	0627 1.6/5.6 Straight B/H Jack Insulated	39 L910/39	0627 1.6/5.6 Straight B/H Jack Insulated		
	0635 1.6/5.6 Right-Angled B/H Jack	L110 LMR195PE	0635 1.6/5.6 Right-Angled B/H Jack		
	1010 BNC Straight Plug	L111 LMR195LSZH	1010 BNC Straight Plug		
	1015 BNC Right-Angled Plug	L022 LMR200PE	1015 BNC Right-Angled Plug		
	1025 BNC straight B/H Jack	L028 LMR200LSZH	1025 BNC straight B/H Jack		
	1310 TNC Straight Crimp Male	L216 LMR200PVC	1310 TNC Straight Crimp Male		
	1315 TNC Right-Angled Male	L021 LMR240PE	1315 TNC Right-Angled Male		
	1320 TNC Straight Crimp Female	L029 LMR240LSZH	1320 TNC Straight Crimp Female		
	1410 SMA Straight Crimp Male	L086 LMR300PE	1410 SMA Straight Crimp Male		
	1415 SMA Right-Angled Crimp Male	L087 LMR300LSZH	1415 SMA Right-Angled Crimp Male		
	1420 SMA Straight Crimp Female	L001 LMR400PE	1420 SMA Straight Crimp Female		
	1510 SMB Straight Plug	L218 LMR400PVC	1510 SMB Straight Plug		
	1515 SMB Right-Angled Plug	L030 LMR400LSZH	1515 SMB Right-Angled Plug		
	1910 QMA Straight Crimp Male	L003 LMR600PE	1910 QMA Straight Crimp Male		
	1915 QMA Right-Angled Crimp Male	79 NCX/ST779	1915 QMA Right-Angled Crimp Male		
	1920 QMA Straight Crimp Female	07 NM7K	1920 QMA Straight Crimp Female		
	2010 N Straight Crimp Male	08 NM8K	2010 N Straight Crimp Male		
	2011 N Straight Clamp Male	11 RD179	2011 N Straight Clamp Male		
	2015 N Right-Angled Crimp Male	37 RD316	2015 N Right-Angled Crimp Male		
	2016 N Right-Angled Clamp Male	42 RG142B/U	2016 N Right-Angled Clamp Male		
	2020 N Straight Crimp Female	04 RG179 PVC	2020 N Straight Crimp Female		
	2021 N Straight Clamp Female	09 RG59B/U	2021 N Straight Clamp Female		
	2510 M4 Straight Crimp Male	36 RG316	2510 M4 Straight Crimp Male		
	2520 M4 Straight Crimp Female	31 Saturn	2520 M4 Straight Crimp Female		
	3010 F Type Straight Crimp Plug	12 ST212	3010 F Type Straight Crimp Plug		
	7610 7/16 Straight Crimp Male	14 ST214	7610 7/16 Straight Crimp Male		
	7611 7/16 Straight Clamp Male	75 TZC 75005	7611 7/16 Straight Clamp Male		
	7616 7/16 Right-Angled Clamp Male	80 TZC 75024	7616 7/16 Right-Angled Clamp Male		
	7620 7/16 Straight Crimp Female	81 TZC 75025	7620 7/16 Straight Crimp Female		
	7621 7/16 Straight Clamp Female		7621 7/16 Straight Clamp Female		
	Use lower number first		Use higher number last		



BNC Plug Pigtail
Stock Code: 301-0000xx1010-050/x



BNC Straight Plug to BNC Straight Plug
Stock Code: 301-1010xx1010-050/x



BT43 Straight Latcher to 1.0/2.3 Right Angled Plug
Stock Code: 301-0160xx0515-050/x



BT43 Straight Latcher to SMB Straight Plug
Stock Code: 301-0160xx1510-050/x



BT43 Right Angled Socket to 1.0/2.3 Right Angled Plug
Stock Code: 301-0165xx0515-050/x



HDC43 Plug to HDC43 Plug
Stock Code: 301-0250xx0250-050/x



HDC43 Plug/ HDC43 Plug to HDC43 Plug/ HDC43 Plug
Stock Code: 301-0250xx0250-050/x



HDC43 Plug to 1.6/5.6 Right Angled Plug
Stock Code: 301-0250xx0615-050/x



HDC43 Plug to BNC Plug
Stock Code: 301-0250xx1010-050/x



HDC43 Socket to HDC43 Socket
Stock Code: 301-0260xx0260-050/x



HDC43 Socket to BNC Plug
Stock Code: 301-0260xx1010-050/x



1.0/2.3 Plug to 1.0/2.3 Plug
Stock Code: 301-0510xx0510-050/x



1.0/2.3 Straight Plug to 1.6/5.6 Straight Plug
Stock Code: 301-0510xx0610-050/x



1.0/2.3 Plug to 1.6/5.6 Right Angled Plug
Stock Code: 301-0510xx0615-050/x



xx=cable type /x=length in metres

Coax Cable Assemblies

1.0/2.3 Plug to 1.6/5.6 Right Angled Bulkhead Socket Stock Code: 301-0510xx0635-050/x	
1.0/2.3 Plug to BNC Straight Plug 75ohm Stock Code: 301-0510xx1010-050/x	
1.0/2.3 Right Angled Plug to BNC Straight Plug Stock Code: 301-0515xx1010-050/x	
1.0/2.3 Right Angled Plug to 1.0/2.3 Right Angled Plug Stock Code: 301-0515xx0515-050/x	
1.0/2.3 Right Angled Plug to 1.0/2.3 Right Angled Plug RG316 Stock Code: 301-0515360515-070/x	
1.0/2.3 Right Angled Plug to 1.6/5.6 Right Angled Bulkhead Socket Stock Code: 301-0515xx0635-050/x	
1.0/2.3 Straight Jack to 1.6/5.6 Straight Jack Stock Code: 301-0525xx0625-050/x	

xx=cable type /x=length in metres

Coax Cable Assemblies

1.6/5.6 Straight Plug to 1.6/5.6 Straight Plug
Stock Code: 301-0610xx0610-050/x



1.6/5.6 Straight Plug to BNC Plug
Stock Code: 301-0610xx1010-050/x



BNC Straight Plug to N Type Straight Plug
Stock Code: 301-1010xx2010-050/x



BNC Straight Plug to M4 Straight Plug
Stock Code: 301-1010xx2510-050/x



SMB Straight Plug to SMB Straight Plug
Stock Code: 301-1510xx1510-050/x



M4 Plug to M4 Plug
Stock Code: 301-2510xx2510-050/x



xx=cable type /x=length in metres

Broadcast Patchcords

1.0/2.3 Straight Plug to R/A Plug 0.6/2.8 HD Cable Violet (Push-Screw)
Stock Code: 301-0510ASD030515A-050/x



1.0/2.3 Straight Plug to 1.0/2.3 Straight Plug 0.6/2.8 HD Cable Violet (Push-Screw)
Stock Code: 301-0510ASD030510A-050/x



1.0/2.3 Straight Plug (Push-Screw) to BNC Plug 0.6/2.8 HD Cable Violet
Stock Code: 301-0510ASD031010-050/x



BNC/BNC Patchcord 0.6/2.8 Green with green strain relief boots
Stock Code: 301-1010SD021010B02-002/x



BNC/BNC Patchcord 0.6/2.8 Black with black strain relief boots
Stock Code: 301-1010SD001010B08-002/x



1.0/2.3 Right Angled Plug to 1.0/2.3 Right Angled Plug RG316
Stock Code: 301-0515360515-004/x



xx=cable type /x=length in metres

Coax Jumpers

TNC Right Angled Plug to N Type Straight Jack

Stock Code: 301-1315xx2020-050/x



TNC Right Angled Plug to N Type Straight Plug

Stock Code: 301-1315xx2010-050



TNC Right Angled Plug to N Type Bulkhead Jack

Stock Code: 301-1315xx2025-050



SMA R/A Plug to N Type Straight Free Jack

Stock Code: 301-1415xx2020-050/x



N Type Straight Plug to N Type Straight Plug

Stock Code: 301-2010xx2010-050/x



N Type Straight Plug to N Type Straight Jack

Stock Code: 301-2010xx2020-050



Coax Jumpers

N Type Clamp Plug to N Type Clamp Plug
Stock Code: 301-2011xx2011-050/x



N Type Straight Plug to N Type Right Angled Plug
Stock Code: 301-2010xx2015-050/x



N Type Straight Plug to F Type Straight Plug
Stock Code: 301-2010xx3010-050/x



N Type Right Angled Plug to N Type Right Angled Plug
Stock Code: 301-2015xx2015-050/x



Coax Jumpers

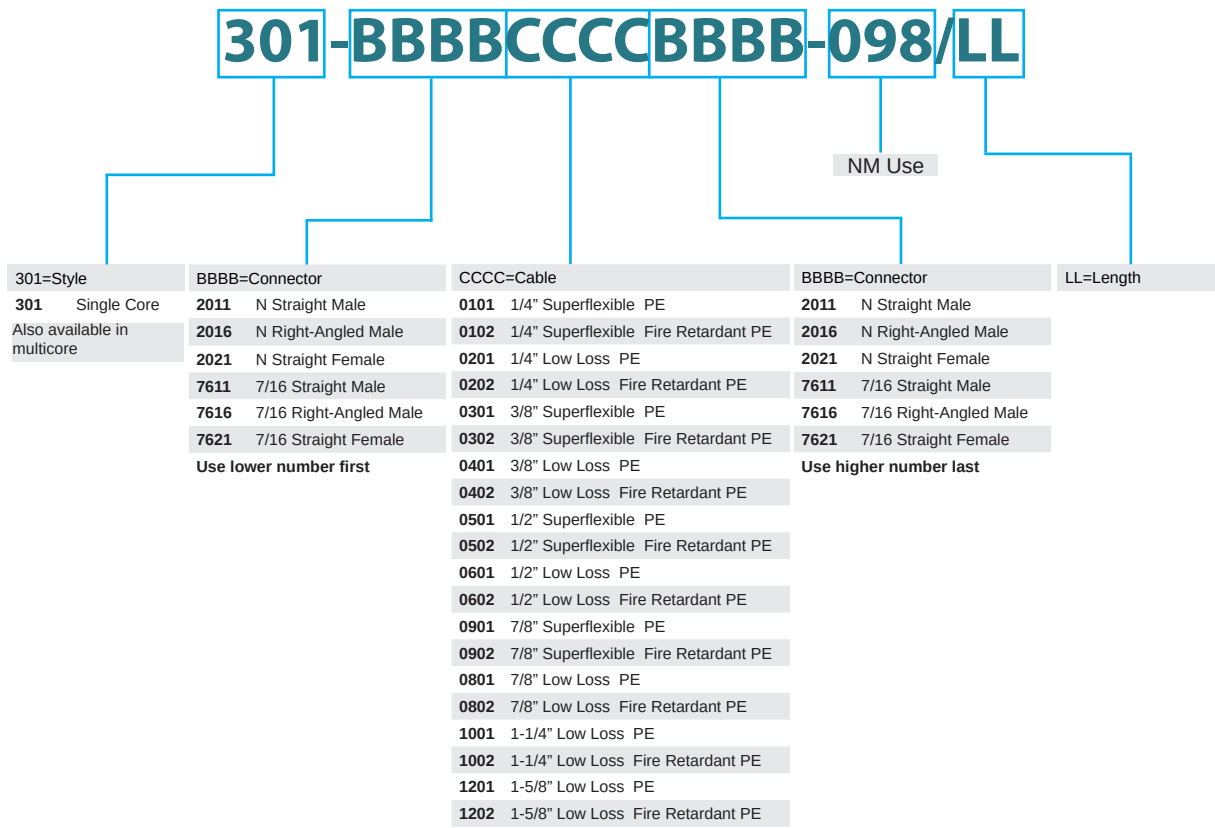
N Type Right Angled Plug to 7/16 Male
Stock Code: 301-2015xx7610-050/x



7/16 Male to 7/16 Female
Stock Code: 301-7610xx7620-050/x



Feeder Cable Jumpers Assemblies Part Code Structure



SYV Cables (50 ohm)

SYV-50-2	Type No	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	SYV-50-2-1	7/0.16		1.50			2.8			15	
	SYV-50-2-7	7/0.16 1)		1.50			2.8			15	
	SYV-50-2-8	7/0.16 1)		1.50			2.8			15	
	SYV-50-2-41	1/0.68		2.20			4.0			31	

SYV-50-3	Type No	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	SYV-50-3-1	7/0.32		2.95			5			40	
	SYV-50-3-3	1/0.90		2.95			5.0 3)			40	
	SYV-50-3-4	1/0.90		2.95			5			40	
	SYV-50-3-5	1/0.90		2.95			5.8 3)			60	
	SYV-50-3-41	1/0.90		2.95			5.8			60	

SYV-50-5	Type No	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	SYV-50-5-1	1/1.40		4.8			7.2			72	
	SYV-50-5-3	1/1.40		4.8			7.2 3)			72	
	SYV-50-5-4	1/1.40		4.8			7.9 3)			104	
	SYV-50-5-41	1/1.40		4.8			7.9			104	

SYV-50-7	Type No	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	SYV-50-7-1	7/0.75		7.25			10.3 3)			160	
	SYV-50-7-2	7/0.75		7.25			10.3			160	
	SYV-50-7-3	7/0.75		7.25			11.0 3)			210	
	SYV-50-7-4	7/0.75		7.25			10.3			150	
	SYV-50-7-6	7/0.75		7.25			11.0 3)			210	
	SYV-50-7-41	7/0.75	BC	7.25	PE		11	PVC		160	

SYV-50-9	Type No	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	SYV-50-9-41	7/0.95		9			12.2			237	

SYV-50-12	Type No	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	SYV-50-12-1	7/1.15		11.5			15.0 3)			280	
	SYV-50-12-41	7/1.15		11.5			15.0 3)			280	

SYV-50-15	Type No	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	SYV-50-15-41	7/1.54		15			19			487	

SYV-50-17	Type No	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	SYV-50-17-1	1/5.00		17.3			22.0 3)			690	
	SYV-50-17-2	1/5.00		17.3			22			690	
	SYV-50-17-3	1/5.00		17.3			22.7 3)			750	
	SYV-50-17-41	19/1.04		17.3			22			690	



SYV Cables (75 ohm)

SYV-75-3	Type No	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	SYV-75-3-41	7/0.17		3			5			42	

SYV-75-4	Type No	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	SYV-75-4-1	7/0.21		3.7			6			60	
	SYV-75-4-2	7/0.21		3.7			6.7 3)			75	
	SYV-75-4-3	1/0.59		3.7			6.0 3)			66	
	SYV-75-4-4	1/0.59		5.7			6			66	

SYV-75-5	Type No	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	SYV-75-5-4	1/0.75		4.8			7.2 3)			63	
	SYV-75-5-5	1/0.75		4.8			7.9 3)			95	
	SYV-75-5-41	1/0.75		4.8			7.2			63	
	SYV-75-5-42	1/0.75		4.8			7.9			95	

SYV-75-7	Type No	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	SYV-75-7-1	7/0.40		7.25			10.3 3)			150	
	SYV-75-7-2	7/0.40		7.25			10.3			150	
	SYV-75-7-3	7/0.40		7.25			11.0 3)			200	
	SYV-75-7-4	1/1.15		7.25			10.3 3)			150	
	SYV-75-7-8	1/1.15		7.25			10.3			150	
	SYV-75-7-41	7/0.40		7.25			11			150	

SYV-75-9	Type No	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	SYV-75-9-41	1/1.37		9			12.2			213	

SYV-75-12	Type No	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	SYV-75-12-2	7/0.63		11.5			15.0 3)			240	
	SYV-75-12-41	7/0.63		11.5			15			240	

SYV-75-15	Type No	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	SYV-75-15-41	7/0.82		15			19			445	

SYV-75-17	Type No	Inner Conductor		Dielectric		Screen	Jacket			Kg/Km	Stock Code
		Strand (mm)	Material	ø mm	Material		ø mm	Material	Colour		
	SYV-75-17-1	1/2.70		17.3			22.0 3)			580	
	SYV-75-17-2	1/2.70		17.3			22			580	
	SYV-75-17-4	1/2.70		17.3			22.7 3)			640	
	SYV-75-17-41	7/0.95		17.3			22			640	



7/8" Low Loss Foamed Coaxial Cable

Description	Type	Stock Code
PE	RF 50 78L	115-3111401
Fire Retardant PE	RF 50 78L Z	115-3111402

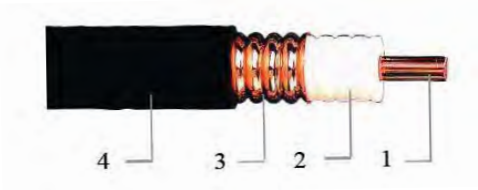
Construction		
Inner Conductor	Material	Copper tube
	Diameter, mm	9.40±0.10
Insulation	Material	Physically foamed PE
	Diameter, mm	22.40±0.10
Outer conductor	Material	Ring corrugated copper
	Diameter, mm	25.60±0.30
Jacket	Material	PE or fire retardant PE
	Diameter, mm	27.90±0.30

Mechanical properties		
Bending Radius, mm	Single	127
	Repeated	254
	Moving	500

Pulling strength, N	1590
Crush resistance, kg/mm	1.35

Recommended temperature °C	PE	FRPE
Store	-70~+85	-30~+80
Installation	-40~+60	-25~+60
Operation	-55~+85	-30~+80

Electrical Properties	
Impedance,Ω	50±2
Capacitance, PF/m	75
Inductance, μH/m	0.19
Propagation velocity, %	89
DC breakdown voltage, kV	6.0
Insulation resistance, MΩ•km	>5×10 ³
Peak power, kW	91
Screening attenuation, dB	>>120
Cut-off frequency, GHz	5.0



- 1. Inner Conductor
- 2. Insulation
- 3. Outer conductor
- 4. Jacket

Attenuation and average power		
Frequency MHz	Nom. attenuation @20°C,dB/100m	Power rate @40°C,kW
10	0.36	23.37
200	1.67	5.05
450	2.55	3.29
800	3.48	2.42
900	3.70	2.26
960	3.84	2.19
1000	3.93	2.14
1500	4.91	1.71
1800	5.44	1.54
2000	5.77	1.46
2200	6.09	1.38
2500	6.55	1.28
3000	7.27	1.15

Maximum attenuation value shall be 105% of the nominal attenuation value

VSWR	
800~1000MHz	≤1.15
1700~2200MHz	≤1.15

Standards	
2011/65/EU	Compliant

1-5/8" Low Loss Foamed Coaxial Cable

Description	Type	Stock Code
PE	RF 50 158L	115-3111501
Fire Retardant PE	RF 50 158L Z	115-3111502

Construction

Inner Conductor	Material	Helically corrugated copper
	Diameter, mm	17.65±0.10
Insulation	Material	Physically foamed PE
	Diameter, mm	43.50±0.60
Outer conductor	Material	Ring corrugated copper
	Diameter, mm	46.50±0.30
Jacket	Material	PE or fire retardant PE
	Diameter, mm	49.80±0.30

Mechanical properties

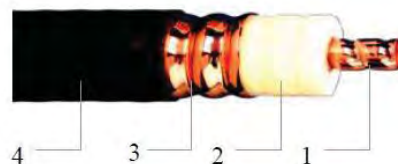
Bending Radius, mm	Single	300
	Repeated	500
	Moving	-
Pulling strength, N		3630
Crush resistance, kg/mm		1.3

Recommended temperature °C

	PE	FRPE
Store	-70~+85	-30~+80
Installation	-40~+60	-25~+60
Operation	-55~+85	-30~+80

Electrical Properties

Impedance, Ω	50±1
Capacitance, PF/m	75
Inductance, μH/m	0.187
Propagation velocity, %	88
DC breakdown voltage, kV	11
Insulation resistance, MΩ·km	>5×10 ³
Peak power, kW	302
Screening attenuation, dB	>>120
Cut-off frequency, GHz	2.5



1. Inner Conductor
2. Insulation
3. Outer conductor
4. Jacket

Attenuation and average power

Frequency MHz	Nom. attenuation @20°C, dB/100m	Power rate @40°C, kW
10	0.19	36.75
200	0.97	7.79
450	1.51	5.02
800	2.08	3.63
960	2.29	3.28
1000	2.34	3.21
1500	2.97	2.54
1800	3.30	2.28
2000	3.51	2.13
2200	3.72	2.02
2500	4.02	1.87

Maximum attenuation value shall be 108% of the nominal attenuation value

VSWR

800~1000MHz	≤1.15
1700~2400MHz	≤1.15

Standards

2011/65/EU	Compliant
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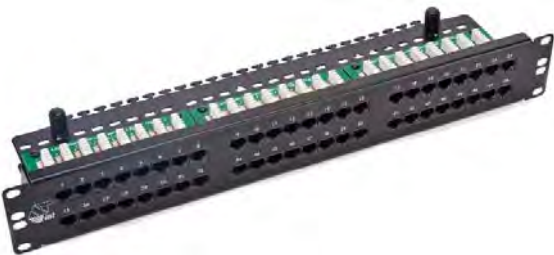


Structured Cabling

Cat5/6 Patch Panels

Cat6 & Cat5e Patch Panels	Fully Tested and UL approved to:	ISO/IEC JTC 1/SC25 11801:2002 TIA/EIA 568b.2-1
The 16 and 24 port variants are presented as a single row, within a single 19" rack 1U format, whilst 32 and 48 port panels are presented as a double row, fitting into just 1.5U. Each Panel is supplied with a fixing and earthing post and adhesive label field for individual port identification. The integral cable management are provides fixing points for each cable. The fixing points are designed for maximum ease of use. Simply fit the cable ties loosely to the cable, slide over the fixing point and tighten. The IDC terminations are colour coded to T568B. The finish is semi-gloss black.	Dimensions	Standard 19" rackmount 110mm deep 16 & 24 port: 1U high 32 & 48 port: 1.5U high
	Colour	Semi-gloss black
	Termination	Krone style IDC coded to TIA/EIA 568B
	Management	Quick fit cable fixing point per port
	Sockets	RJ45 8 Contact, gold plated
	Included accessories	Cable ties, cage nute and screws, labelling kit

Cat6 Patch Panels	Description	Stock Code
	Cat6 Patch Panel 16 Port	510-9PAN205291
	Cat6 Patch Panel 24 Port	510-9PAN205231
	Cat6 Patch Panel 32 Port	510-9PAN205301
	Cat6 Patch Panel 48 Port	510-9PAN205311

Cat5 Patch Panels	Description	Stock Code
	Cat5e Patch Panel 16 Port	501-9PAN204331
	Cat5e Patch Panel 24 Port	501-9PAN204381
	Cat5e Patch Panel 32 Port	501-9PAN204361
	Cat5e Patch Panel 48 Port	501-9PAN204371

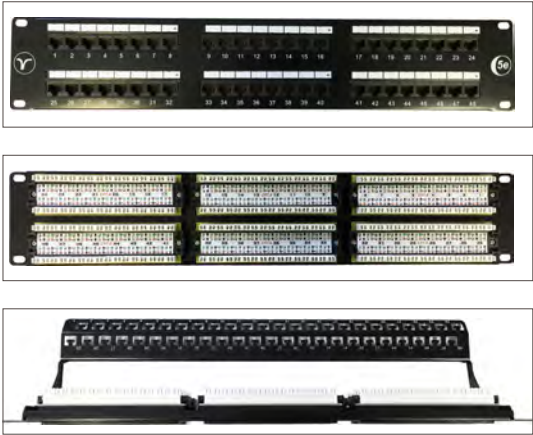
Cat5/6 Patch Panels

Cat5e Patch Panels
with Marking System

DescriptionStock CodeDatasheet

- Rear Cable Management Bar Included
- Cage Nuts & Cable Ties Included
- Krone Compatible IDCs
- Slide-Out ID Labelling

16 Port 1U Cat5e UTP Patch Panel	802-72-3387	►
24 Port 1U Cat5e UTP Patch Panel	802-72-3391	►
48 Port 2U Cat5e UTP Patch Panel	802-72-3395	►



Cat6 Patch Panels
Rear Punchdown Patch Panels with Marking System

DescriptionStock CodeDatasheet

- Rear Cable Management Bar Included
- Cage Nuts & Cable Ties Included
- Krone Compatible IDCs
- Slide-Out ID Labelling

16 Port 1U Cat6 UTP Patch Panel	802-72-3682	►
24 Port 1U Cat6 UTP Patch Panel	802-72-3683	►
48 Port 2U Cat6 UTP Patch Panel	802-72-3684	►



Mini5 CAT5e Black Coupler Panel

Mini5™ CAT5e Black Coupler Panel UTP	Description	Stock Code
	Mini5 24 Port 1U UTP	802-MP24TP5J
	Mini5 48 Port 2U UTP	802-MP48TP5J



Mini5™ CAT5e unshielded coupler panels come complete with cable management bar as standard and fully loaded with high quality keystone jack couplers fitted in all slots.

Please note that all coupler panels performance is as good as the patch cables used. Inferior manufactured cables give poor test results and may increase packet losses for Gigabit applications.

Mini5™ CAT5e Black Coupler Panel Shielded	Description	Stock Code
	Mini5 24 Port 1U Shielded	802-MP24TP5JS
	Mini5 48 Port 2U Shielded	802-MP48TP5JS



The NEW Mini5™ shielded through coupler panels are designed for use as cross connect panels and can be used for voice and data applications. The couplers exceed the requirements of the TIA/EIA 568B-2 Category 5e specifications, and can be used for all network protocols covered within the Category 5e standards.

Each panel is supplied pre-assembled with the Category 5e STP RJ45 couplers mounted. Rear clip in management bar is also metal for extra rigidity. Cage nuts are also supplied with each panel.

Cat5e UTP Patchcords

These traditional Category 5e format cables are essential for network connectivity. All our cords are supplied with fixed over-moulded strain relief to prevent the delicate catches of the plugs snagging and are available in a wide range of lengths to suit individual requirements.

In addition Cat5e patch cords are available in a choice of five colours to aid identification.



Length	Grey	Red	Blue	Yellow	Green
0.5m	315-P004005-027	315-P006005-027	315-P005005-027VR	315-P003005-027	315-P002005-027
1.0m	315-P004010-027	315-P006010-027	315-P005010-027	315-P003010-027	315-P002010-027
1.5m	315-P004015-027	315-P006015-027	315-P005015-027	315-P003015-027	315-P002015-027
2.0m	315-P004020-027	315-P006020-027	315-P005020-027	315-P003020-027	315-P002020-027
3.0m	315-P004030-027	315-P006030-027	315-P005030-027	315-P003030-027	315-P002030-027
5.0m	315-P004050-027	315-P006050-027	315-P005050-027	315-P003050-027	315-P002050-027
10.0m	315-P0040100-027	315-P0060100-027	315-P0050100-027	315-P0030100-027	315-P0020100-027

Mini6 Cat6 UTP LSOH Patch Leads

New to the Mini6 range, Snagless Anti-Tangle latches as part of the moulded boot. True CAT6 performance helped by Internal pair separator within the cable structure and high performance CAT6 RJ45 plugs.



Length	Grey	Blue	Red	Yellow	Green
0.5m	315-PCTB6005-AT	315-PCTB6005BE-AT	315-PCTB6005RE-AT	315-PCTB6005YW-AT	315-PCTB6005GN-AT
1.0m	315-PCTB6010-AT	315-PCTB6010BE-AT	315-PCTB6010RE-AT	315-PCTB6010YW-AT	315-PCTB6010GN-AT
1.5m	315-PCTB6015-AT	315-PCTB6015BE-AT	315-PCTB6015RE-AT	315-PCTB6015YW-AT	315-PCTB6015GN-AT
2.0m	315-PCTB6020-AT	315-PCTB6020BE-AT	315-PCTB6020RE-AT	315-PCTB6020YW-AT	315-PCTB6020GN-AT
3.0m	315-PCTB6030-AT	315-PCTB6030BE-AT	315-PCTB6030RE-AT	315-PCTB6030YW-AT	315-PCTB6030GN-AT
5.0m	315-PCTB6030-AT	315-PCTB6050BE-AT	315-PCTB6050RE-AT	315-PCTB3050YW-AT	315-PCTB6050GN-AT
7.5m	315-PCTB6075-AT	-	-	-	-
10.0m	315-PCTB60100-AT	315-PCTB60100BE-AT	315-PCTB60100RE-AT	315-PCTB60100YW-AT	315-PCTB60100GN-AT
15.0m	315-PCTB60150-AT	-	-	-	-
20.0m	315-PCTB60200-AT	-	-	-	-

Length	Purple	Pink	Orange	Black	White
0.5m	315-PCTB6005PE-AT	315-PCTB6005PK-AT	315-PCTB6005OE-AT	315-PCTB6005BK-AT	315-PCTB6005WE-AT
1.0m	315-PCTB6010PE-AT	315-PCTB6010PK-AT	315-PCTB6010OE-AT	315-PCTB6010BK-AT	315-PCTB6010WE-AT
1.5m	315-PCTB6015PE-AT	315-PCTB6015PK-AT	315-PCTB6015OE-AT	315-PCTB6015BK-AT	315-PCTB6015WE-AT
2.0m	315-PCTB6020PE-AT	315-PCTB6020PK-AT	315-PCTB6020OE-AT	315-PCTB6020BK-AT	315-PCTB6020WE-AT
3.0m	315-PCTB6030PE-AT	315-PCTB6030PK-AT	315-PCTB6030OE-AT	315-PCTB6030BK-AT	315-PCTB6030WE-AT
5.0m	315-PCTB6050PE-AT	315-PCTB6050PK-AT	315-PCTB6050OE-AT	315-PCTB6050BK-AT	315-PCTB603050WE-AT
7.5m	-	-	-	-	-
10.0m	315-PCTB60100PE-AT	315-PCTB60100PK-AT	315-PCTB60100OE-AT	315-PCTB60100BK-AT	315-PCTB6030100WE-AT
15.0m	-	-	-	-	-
20.0m	-	-	-	-	-

CAT6 RJ45 Coupler Gigabit Joiner Socket to Socket Adapter	
Stock Code	510-UT-CAT6
	

RJ45 Inline Coupler Joiner Straight for extending LAN cables	
Stock Code	510-UT-250
	

RJ45 Crossover Adapter LAN Cable Converter (Crossed Wire)	
Stock Code	510-UT-251
	

Cable Economiser Plug Twin Sockets (1x Data + 1 x Voice) RJ45 CAT5E	
Stock Code	510-RJ-ECONDV
	

Cable Economiser Plug Twin Sockets (2x Voice) RJ45 CAT5E Adapter	
Stock Code	510-RJ-ECONVV
	

SB to LAN Adapter RJ45 Shielded Adaptor Fast Ethernet - Purple	
Stock Code	510-USB-NIC-PURPLE
	

RJ45 Cat5e 25x50mm Module**Colour**

White

Stock Code

802-CAT5MOD-WHT

Black

802-CAT5MOD-BLK

1/4 Blank Plate 2 Pack**Stock Code**

802-CAT5-3652

Single Gang Faceplate**Stock Code**

802-CAT5-SFP

Double Gang Faceplate**Stock Code**

802-CAT5-DFP

Single Gang Back Box**Depth**

27mm

Stock Code

802-CAT5-SBOX27

32mm

802-CAT5-SBOX32

37mm

802-CAT5-SBOX37

Double Gang Back Box**Depth**

28mm

Stock Code

802-CAT5-DBOX28

32mm

802-CAT5-DBOX32

50 x 50mm Single Gang Faceplate**Colour**

White

Black

Stock Code

802-HCIFP-50WHT

802-HCIFP-50BLK

50 x 100mm Double Gang Faceplate**Colour**

White

Black

Stock Code

802-HCIFP-51WHT

802-HCIFP-51BLK

Blank Bezel**Colour**

White

Black

Stock Code

802-HCIFP-45

802-HCIFP-45BK

Keystone Housing 1 Port**Colour**

White

Black

Stock Code

802-HCIFP-46WHT

802-HCIFP-46BLK

Keystone Housing 2 Port**Colour**

White

Black

Stock Code

802-HCIFP-47WHT

802-HCIFP-47BLK

Keystone Blank**Colour**

White

Black

Stock Code

802-HCIFP-48

802-HCIFP-48BK

Insert Housing with Cover for Cat5e and Cat6 Keystone Jacks



Colour	Stock Code
White	802-HCIFP-50WHT

Unshielded RJ45 Jack-Jack Press Fit Coupler Module



Colour	Cable	Stock Code
White	Cat5e	802-HCIFP-61WHT
Black	Cat5e	802-HCIFP-61BLK
White	Cat6	802-HCIFP-66WHT
Black	Cat6	802-HCIFP-66BLK

90° Unshielded 110 IDC Keystone Jack Module



Colour	Cable	Stock Code
White	Cat5e	802-HCIFP-60WHT
Black	Cat5e	802-HCIFP-60BLK
White	Cat6	802-HCIFP-65WHT
Black	Cat6	802-HCIFP-65BLK

**Velocity Wall Box
450mm Deep (Black)**

Size	Stock Code
6U	815-52-6U450BLK
9U	815-52-9U450BLK
12U	815-52-12U450BLK
15U	815-52-15U450BLK

**Velocity Wall Box
600mm Deep (Black)**

Size	Stock Code
6U	815-52-6U600BLK
9U	815-52-9U600BLK
12U	815-52-12U600BLK
15U	815-52-15U600BLK

**Hinged SwingOut Wall Bracket
300mm Deep**

Size	Stock Code
2U	815-52-0020
3U	815-52-0030
4U	815-52-0040
6U	815-52-0060

USpace Cantilever Shelf

Depth	Size	Stock Code
200mm	1U	815-USCSCBK12
300mm	1U	815-USCSCBK13
300mm	2U	815-USCSCBK23
400mm	2U	815-USCSCBK24

Vented Cantilever Shelf

Depth	Size	Stock Code
200mm	1U	815-52-1998
300mm	1U	815-52-1999
350mm	1U	815-52-2000
300mm	2U	815-52-2004
350mm	2U	815-52-2005
400mm	2U	815-52-2006

Cat5e UTP

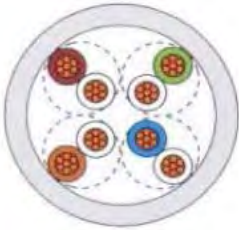
Application

Cat5e UTP is a multi-pair cable used mainly for Data transmission that supports a frequency range up to 100mHz and speeds up to 1 gigabit per second.

Electrical

DC resistance conductor	≤ 96.5 Ω/km @ 20°C
Velocity Ratio	65%
Impedance at 4 to 100MHZ	100Ω

Construction



1	Inner conductor	Plain Copper
2	Dielectric	HDPE Insulation
3	Colour Sequence	See below
4	Sheath	PVC, LSZH or PE

Mechanical

1	Inner conductor diameter	0.50mm nom Plain Copper
2	Dielectric diameter	0.95mm ± 0.10 mm
3	Colour Sequence	4 Pair Blue & White/Blue, Orange & Orange/White, Green & Green/White, Brown & White/Brown
		12 Pair As 4 pair cable each unit coloured grey and numbered 1 – 3
		25 Pair As 4 pair cable each unit coloured white, grey, brown, green, orange, blue. Plus 1 Pair (Brown & White/Brown) Grey Sheath.
4	Sheath	4 Pair 5.20mm Nominal
		12 Pair 12.30mm Nominal
		25 Pair 17.00mm Nominal
5	Cable	Storage/operating temperature -15°C to +70°C
		Minimum installation temperature -5 °C



Pairs	Sheath	Colour	Reel Length	Stock Code
4	PVC	GREY	100m	110-350401-100
4	PVC	GREY	305m BOX	110-350401-305
4	UV PVC	BLACK	100m	110-350401BLK-UV-100
4	UV PVC	WHITE	100m	110-350401WHT-UV-100
4	PVC	BLUE	305m BOX	110-350401BLU-305
4	PVC	GREEN	305m BOX	110-350401GRN-305
4	PVC	RED	305m BOX	110-350401RED-305
4	PVC	YELLOW	305m BOX	110-350401YEL-305
4	LSZH	VIOLET	305m BOX	110-350401LSOH-VLT-305
4	PE	BLACK	500m / 1000m	110-350405PE-BLK
4	PE	ORANGE	500m / 1000m	110-350405PE-ORG
12	PVC	GREY	500m / 1000m	110-350406SLT
12	PE	ORANGE	500m / 1000m	110-350406PE-ORG
25	LSZH	VIOLET	500m / 1000m	110-350407LSOH-VLT
25	PE	ORANGE	500m / 1000m	110-350407PE-ORG
25	PVC	GREY	500m / 1000m	110-350407SLT

Cat5e U/UTP Armoured Cable

Stock Code: 110-110401-SWA

Application

Category 5e (Cat5e) cable is a twisted pair cable for carrying signals used most commonly in cabling for computer networks such as Ethernet. Cat5e cables are also used to carry other signals such as telephony and video.

Description

Cat5e Armoured Cable consists of solid plain annealed copper wire with high density polyethylene insulation, PVC bedding, PE bedding, galvanised steel wire armour, and overall LSNH sheath.

Mechanical & Electrical Characteristics

Inner Conductor:	0.50mm Plain Copper
Insulation Diameter:	0.95mm + 0.10mm
Colour Sequence:	BLU & WHT/BLU ORG & WHT/ORG GRN & WHT/GRN BRN & WHT/BRN
Sheath Diameter:	14.5mm
Sheath Colour:	BLK
Storage/Operating Temperature:	0°C to +60°C
Standard Reel Lengths:	Custom Lengths
DC Resistance Inner Conductor:	< 107.0 Ω/km @ 20°C
Nom. Velocity of Propagation:	67-69%
Impedance @ 4 to 100 MHz:	100 + 15Ω

*Cable image and colours are for illustration purposes only and may vary.



Specifications

Speed:	10/100/1000MbE
ISO/IEC 11801 EIA/TIA 568 and IEC61156-5 and EN 50228-31-1 Standards	
100MHz and is suitable for 10BASE-T, 100BASE-TX, and 100BASE-VG.	

Application
This 25 pair LSZH backbone cable is suitable for 100Base-T, Gigabit Ethernet, 155 Mbps ATM, TP-PMD Audio, Multimedia and Telephone networks

Construction & Characteristics	
Conductor	Class 1 solid plain copper
Insulation	SPE (Solid Polyethylene)
Filler	PE (Polyethylene) dummy core
Separator	Mylar tape
Electrical Characteristics	Impedance (ohms); 100(±15), Max Conductor DC Resistance at 20°C (ohms/100m); 10.55
Sheath	LSZH (Low Smoke Zero Halogen)
Sheath Colour	Grey
Temperature Rating	Installation; -20°C to +60°C, Operating; -20°C to +60°C
Minimum Bending Radius	Full load; 20 x overall diameter, No load 15 x overall diameter

Performance Characteristics			
Frequency MHz	Attenuation at 20°C (-dB/100m) (±15%)	NEXT Worst Pair (dB) (±15%)	RL (dB) (±15%)
1.00	2.0	65.3	20.0
4.00	4.1	56.3	23.0
8.00	5.8	51.8	24.5
10.00	6.5	50.3	25.0
16.00	8.2	47.3	25.0
20.00	9.3	45.8	25.0
25.00	10.4	44.3	24.3
31.25	11.7	42.9	23.6
62.50	17.0	38.4	21.5
100.00	22.0	35.3	20.1

Dimensions & Ordering				
No. of Pairs	Nominal Diameter of Conductor mm	Nominal Overall Diameter mm	Nominal Weight kg/Km	Stock Code
25	0.51	12.0	194	110-5325-046



Cat6 UTP/FTP

Application

Cat6 UTP/FTP is a multi-pair cable used mainly for Data transmission that supports a frequency range up to 250MHz and speeds up to 1 gigabit per second.

Electrical

Mutual Capacitance	190 pF / m
Vp	67-69%
Characteristic Impedance	100Ω +/- 15Ω
Conductor Resistance	79.85Ω/Km

Construction

1	Inner conductor	Plain Copper
2	Dielectric	HDPE Insulation
3	Colour Sequence	See below
4	Sheath	PVC, LSZH or PE

Mechanical

1	Inner conductor diameter	0.55mm nom Plain Copper
2	Dielectric diameter	1.0mm nominal diameter
3	Colour Sequence	Blue & White/Blue, Orange & Orange/White, Green & Green/White, Brown & White/Brown
4	Sheath	7.20mm Nominal
5	Cable	Storage/operating temperature -15°C to +80°C Minimum installation temperature -5 °C

Freq (MHz)	Attenuation (dB/100m)	Powersum Acr (dB/100m)	Pair NEXT (dB)	Powersum NEXT (dB)	EL-FEXT (dB/100m)	Powersum EL-FEXT (dB/100m)	Return Loss (dB)
1	1.9	82.6	84.5	86.5	85.0	82.0	27.0
4	3.5	71.9	75.5	77.5	73.0	70.0	30.0
10	5.5	64.0	69.5	71.5	65.0	62.0	30.0
16	7.0	59.4	66.4	68.4	60.9	57.9	30.0
20	7.8	27.1	65.0	67.0	59.0	56.0	30.0
31.25	9.9	52.2	62.1	61.1	55.1	52.1	28.6
62.5	14.1	43.5	57.6	59.6	49.1	46.4	26.5
100	18.0	36.5	54.5	56.5	45.0	42.0	25.1
155	22.7	28.9	51.6	53.6	41.2	38.2	23.8
200	26.1	23.9	50.0	52.0	39.0	36.0	23.0
250	29.4	19.1	48.5	50.5	37.0	34.0	22.3

Pairs	Sheath	Colour	Grade	Reel Length	Stock Code
4	PVC	GREY*	UTP	100m, 305m	110-120450-SLT
4	PE	BLACK	UTP	100m, 305m , 500m	110-120451-PE-BLK
4	LSZH	VIOLET	UTP	305m	110-120452-LSOH-VLT-305
4	LSZH	VIOLET	FTP	305m	110-120455-LSOH-VLT-305
4	PE	BLACK	FTP	-	110-120455-PE-BLK

*Also available in Blue, Green, Red, Yellow, White, Black and Pink in 100m, 305m, 500m reels

Tooling

Universal Data Stripper 	Description This tool is ideally used for stripping the jacket from round data cable such as UTP and STP. With an adjustable blade it will strip from 3.2mm to 9mm on flat cable, irregular out of shape cable or even multi-conductor cable.	Stock Code 902-OPT+UTPS
Cyclops Stripper 	Description An outer sheath stripper for all types of data, audio and fibre optic cables. Completely automatic, no adjustments required. For cables up to 11mm in diameter.	Stock Code 902-OPT+CYCLOPS
Cyclops Stripper 	Description Cyclops Stripping Tool for UTP/STP Cable up to 11mm.	Stock Code 902-87-2813
Modular Crimp Tool 	Description A compact, lightweight and durable tool which can be used to crimp RJ45, RJ12 or RJ11 connectors onto data cable. In addition to crimping it can also be used to cut and strip round cable - although we recommend you use OPT+UTPS to perform this particular task.	Stock Code 901-OPT-RJCT
Ratchet Crimp Tool 	Description Economy RJ45 - RJ11 Ratchet Crimp Tool	Stock Code 902-87-2808
Impact Punch Down Tool 	Description The impact punch down tool comes with an adjustable Hi-Lo pressure selector. The hook and tracer makes tracing and removing wires easy, and the twist lock style holder gives the ability to quickly and safely change blades.	Stock Code 902-OPT+IPPT-S Spare scissor blade: 902-OPT+IPDT-SB

Network tester	Description	Stock Code
	This basic level network tester will comprehensively test each twisted pair through RJ45 or RJ11 connectors. An easy red and green light system will notify you of which pairs are fully functional and which are faulty. Comes with remote end terminator for testing links, patchcords. Requires 1X 9V battery (not included).	955-OPT+NT

Network tester	Description	Stock Code
	Economy Continuity RJ45 Tester	955-87-3555

Automatic Wire Stripper and Crimper	Description	Stock Code
	This wire stripper and crimper high quality blade provides efficient cutting. Soft grip handles for comfort.	902-AWS10

Application

A multi-pair cable used for mainly Data transmission that supports a frequency range up to 100MHz and speeds up to 1 gigabit per second.

Electrical

DC resistance conductor	≤ 96.5 Ω/km @ 20°C
Velocity Ratio	65%
Impedance at 4 to 100MHZ	100Ω

Construction



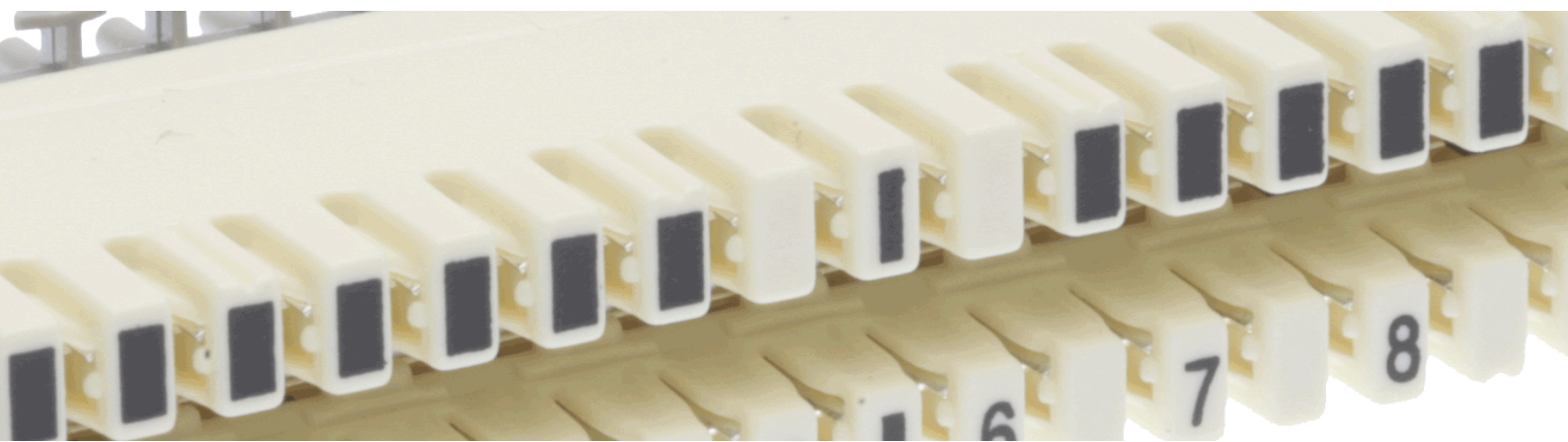
1	Inner conductor	Plain Copper
2	Dielectric	HDPE Insulation
3	Colour Sequence	See below
4	Sheath	PVC, LSZH or PE

Mechanical

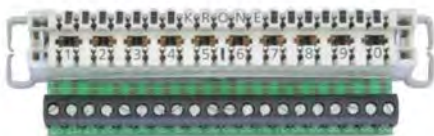
1	Inner conductor diameter	0.50mm nom Plain Copper
2	Insulation diameter	0.95mm ± 0.10mm
3	Colour Sequence	Blue & White/Blue, Orange & Orange/White, Green & Green/White, Brown & White/Brown.
4	Screen	Aluminium Foil with TCDW
5	Sheath Diameter	6.00mm Nominal
6	Cable	Storage/Operating temperature -15°C to +70°C Minimum installation temperature -5°C

Pairs	Sheath	Colour	Reel Length	Stock Code
4	PVC	GREY	305m BOX	110-110402-305
4	LSZH	PURPLE	305m BOX	110-110402-LSZH-VLT-305





Voice Products

Disconnection Module	Description	Brand	Stock Code
	10 Pair disconnection module	Austin Taylor	501-1003-027
	6089/1/810-00	Krone	501-1003-028
LSA profil Disconnection Module	Description	Brand	Stock Code
	LSA PROFIL 10-pair disconnection module 6089/1/121-02	Krone	501-1005-028
LSA-PLUS® Disconnection Module 2/10 to Screw Terminal	Description	Brand	Stock Code
	1 X 20 Pole, 36mm Width, Occupies 2 ways of BMF 7004 2 001-01	Krone	7004-2-001-01
	2 X 20 Poles, 48mm Width, Occupies 3 ways of BMF 7004 2 002-01	Krone	7004-2-002-01
Strip Designation 51A c/w label	Description	Brand	Stock Code
	Hinged label holder	Austin Taylor	501-0905-027

Protector 5B	Description	Brand	Stock Code
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Protector 5B	Austin Taylor	501-1010-027
Arrestor 14A	Austin Taylor	501-1011-027

Wire Inserter 2A	Description	Brand	Stock Code
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Insertion Tool	Austin Taylor	501-0001-027
6417/1/810-02	Krone	501-0001-028

Patch & Test Cord	Description	Brand	Stock Code
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2 Pole 5ft (Cord Conn 94470)	Austin Taylor	501-1050-027
4 Pole 5ft (Cord Conn 94473)	Austin Taylor	501-1060-027

Back Mount Frame	Description	Brand	Stock Code
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5 way (11mm depth)	Austin Taylor	501-1210-027
10 way (30mm depth)	Austin Taylor	501-1215-027
10 way (50mm depth)	Austin Taylor	501-1220-027
20 way (30mm depth)	Austin Taylor	501-1240-027
34 way (50mm depth)	Austin Taylor	501-1245-027

Subrack (flat)**Description****Brand****Stock Code**

1U 3 way (30 pair)

Austin Taylor

501-0211-027

2U 9 way (90 pair)

Austin Taylor

501-0212-027

3U 15 way (150 pair)

Austin Taylor

501-0213-027

4U 18 way (180 pair)

Austin Taylor

501-0214-027

Subrack (recessed)**Description****Brand****Stock Code**

1U 3 way (30 pair)

Austin Taylor

501-0201-027

2U 9 way (90 pair)

Austin Taylor

501-0202-027

3U 15 way (150 pair)

Austin Taylor

501-0203-027

4U 18 way (180 pair)

Austin Taylor

501-0204-027

Telecoms & BT-Style Phone Crimp Connectors**RJ10 4P4C Crimp Plug**

Stock Code 501-22-2142

**RJ11 6P4C Crimp Plug**

Stock Code 501-22-2143

**RJ12 6P6C Crimp Plug**

Stock Code 501-22-2131

**BT 4 Way (BT431A)**

Stock Code 501-22-2145

**BT 6 Way (BT631A)**

Stock Code 501-22-2146

**External Connection Box****Description****Weight/Dims****Stock Code**

50 Pair connection box

100 Pair connection box

30 pair external connection box

516g/220x190x90mm

BXCN230EXT

50 pair external connection box

552g/220x190x90mm

BXCN250EXT

100 pair external connection box

998g/370x200x100mm

BXCN300EXT

Features

- Lockable external connection box supplied with keys
- IP54 Rating
- Fitted with mounting frame for LSA+ type connection strips

Specifications

- Colour: Light grey
- Materials: ABS plastic for increased durability
- Back mount: Stainless steel

Distribution Frames 108A & City 80

Frame Distribution 108A series are modular distribution frames available in two widths (single and double) and two heights (690 pair and 800 pair) offering a maximum of up to 1600 pairs capacity using 10 pair Strips Connection 237A.

Modular construction means that the units may be assembled side-by-side for wall mounting, or back-to-back for free-standing applications, using the fixings provided.

Cable management is provided using by large jumper rings fitted top, bottom and between terminal banks, whilst individual terminal blocks are provided with fixed fanning strips.

Earthing is provided via a heavy copper earth commoning bar fitted to the bottom of the frame and running the full width of the frame.

Adjustable legs allow for uneven flooring, or may be removed where height is a limitation.



General Details	
Material Chassis:	Mild Steel
Mountings:	Chrome Steel
Jumper Rings:	Black fire retardent ABS
Finish:	Low gloss black polyester

Description	Height w/out legs (mm)	Height with legs (mm)	Width (mm)	Depth (mm)	Weight (kg)	Verticals	Stock Code
Frame Distribution 108A Double 1380 pair	1850	2006	570	150	25	2	501-1000-027
Frame Distribution 108A Single 690 pair	1850	2006	285	150	13	1	501-1001-027
Frame City 80 Double 1600 pair	2092	2248	570	150	27	2	501-1002-027
Frame City 80 Single 800 pair	2092	2248	285	150	15	1	501-1004-027

Application

Jumper wires are used for interconnection between terminal blocks at main distribution frames (MDF), cross connection cabinets (CCP) and distribution frames or boxes.

Standards

- CW 1109 (PVCT2)

Construction

Conductors Solid bare copper 0.32/0.4/0.5/0.6/0.8/1.0mm as per class 1 of BS 6360/IEC 60228

Insulation PVC Type 2 to BS 6746

Twisted Pairs two insulated conductors are twisted into pairs with varying lays to minimise crosstalk

Electrical Properties

Nominal Conductor Diameter	mm	0.32	0.4	0.5	0.6	0.8	1.0	7/0.2
Conductor Size	mm2	0.08	0.126	0.196	0.283	0.5	0.785	0.22
Maximum Conductor Resistance @20°C	Ω/km	234	148	95	65.9	36.7	23.3	89.9
Minimum Insulation Resistance @500V DC	MΩ.km	50	50	50	50	50	50	50
Minimum Insulation Thickness	mm	0.12	0.15	0.15	0.15	0.25	0.25	0.15
Maximum Insulated Conductor Diameter	mm	0.7	0.85	0.95	1.05	1.5	1.7	1.05



No. of Wires	Colour Code	Conductor Size	Stock Code
2	yellow/blue	0.5mm	120-0305
2	yellow/black	0.5mm	120-0308
2	grey/pink	0.5mm	120-0412
2	blue/red	0.5mm	120-0506
2	red/white	0.5mm	120-0607
2	red/black	0.5mm	120-0608
2	white/black	0.5mm	120-0708

Available in any combination of the following 12 colours:
blue, brown, red, violet, orange, grey, black, yellow, green, white, pink, turquoise



Fibre Optics

Fibre Optic Patchcords



Example: Duplex patchcord LC/LC, 9/125, 2.8mm yellow 1m

601-06906303-025/1

AAA-BBCBBDEE-025/LL

Internal Use

AAA = Cable		BB = Connector		C = Fibre Size		D = Diameter		EE = Colour		LL = Length	
601	Duplex	01	E2000	9	9/125 OS2	1	1.8mm	01	Orange	1	1m
602	Simplex	02	E2000/APC	55C	G655C	2	2.0mm	02	Green	2	2m
603	Pigtail	03	ESCON	7A1	G657A1	3	2.8mm	03	Yellow	3	3m
		04	FC/APC	7A2	G657A2	9	900um	04	Grey	4	4m
		05	FC/PC	6	62.5/125 OM1			05	Blue	5	5m
		06	LC Duplex	5	50/125 OM2			06	Red	6	6m
		07	LC Simplex	3	50/125 OM3			07	White	7	7m
		08	MTRJ	4	50/125 OM4			08	Black	8	8m
		09	MU					09	Violet	9	9m
		10	SC/APC					10	Brown	10	10m
		11	SC Simplex					11	Turquoise	15	15m
		12	SC Duplex					12	Pink	20	20m
		13	SMA					13	Natural	25	25m
		14	ST					14	Aqua	30	30m
		15	LC/APC								

SC Simplex / LC Duplex Patch Panel 24 Port

Our new improved range of sliding drawer panels now have Interchangeable front plates for maximum versatility.

The sliding style tray allows easy access to the fibre termination compartment without having to remove the panel from the rack; ensuring panels can be reconfigured easily.

The tray can also be fixed at an angle whilst working so engineers' hands remain free. The tray is secured with two quick release fastenings. Standard 19" width with movable mounting brackets enable the panel to be mounted flush or recessed. Removable front plate allows for easy installation of adapters. One base accepts 3 different front panels to allow for maximum flexibility in supply. The panels can be supplied fully loaded with adapters, partially loaded or unloaded.

SC Simplex/ LC Duplex panels are suitable for up to 24 adapters in one

Features & Benefits

- Designed for installation with 19" racks to IEC 297-3
- Accommodates up to 48 splices via 2x 24f splice cassettes (double stacked)
- 2 x 26mm and 2 x 22m cable entry holes to rear of panel
- Mounting brackets can be positioned flush, recessed or protruding
- Screen printed port identification to the front of panel
- Maximum 48 connections using LC Duplex adapters
- Maximum 24 connections using SC Simplex adapters
- Removable faceplate allows easy loading of adapters and reduced stock holding
- Range of cable management options are available

Available Kits

- Kit 1 - 4 bunny clips, 1x 20mm cable glands, 6x 100mm cable ties + 4 cage nuts
- Kit 2 - Kit 1 + Splice Bridge
- Kit 3 - Kit 1 + Splice Cassette

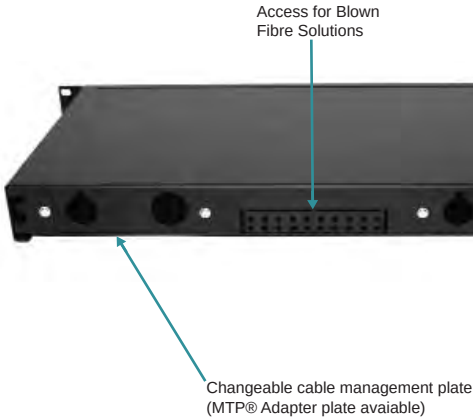
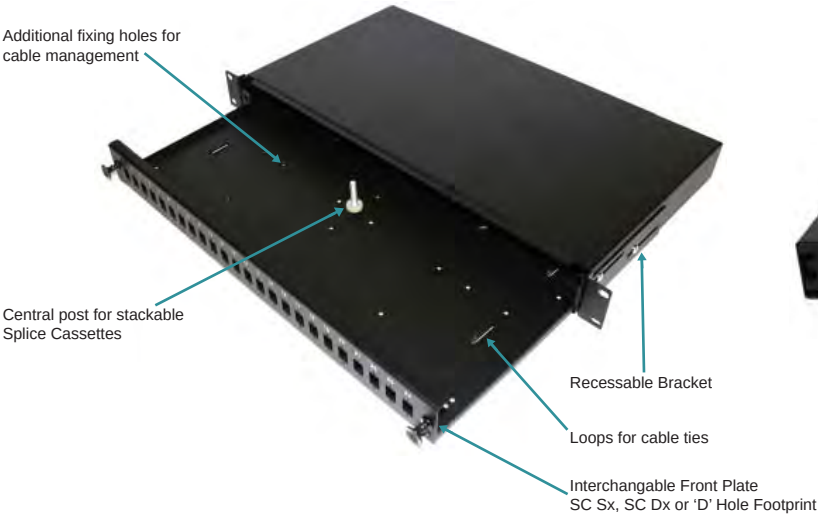
Application

- Optical Splicing & Patching
- Data centres, premise installations, telecommunication networks
- Ethernet, Fibre Channel, ATM, LAN, MAN, and WAN
- Data Communication
- Suitable for all Lite Linke pre-terminated solutions

Description	Stock Code
24 Port Sliding Patch Panel for SC Simplex Multimode Adaptors	PPLLSM-SCS/xx
24 Port Sliding Patch Panel for SC Simplex Singlemode Adaptors	PPLSS-SCS/xx
24 Port Sliding Patch Panel for LC Duplex Multimode Adaptors	PPLLSM-LCD/xx
24 Port Sliding Patch Panel for LC Duplex Singlemode Adaptors	PPLSS-LCD/xx
where xx is number of adaptors	



Specifications	
Element	Characteristic
U Size	1U
Width	433mm
Depth	243mm
Cable Entry Slots	2 x 26mm / 2 x 22mm
Cable Anchor Points	Rear and External
Material	Cold-rolled Steel
Colour	Black (Powder Coated) RAL: 9005
Compliance	RoHS, REACH



SC Duplex / LC Quad Patch Panel 24 Port

Our new improved range of sliding drawer panels now have interchangeable front plates for maximum versatility.

The sliding style tray allows easy access to the fibre termination compartment without having to remove the panel from the rack; ensuring panels can be reconfigured easily.

The tray can also be fixed at an angle whilst working so engineers' hands remain free. The tray is secured with two quick release fastenings. Standard 19" width with movable mounting brackets enable the panel to be mounted flush or recessed. Removable front plate panel allows for easy installation of adapters. One base accepts 3 different front panels to allow for maximum flexibility in supply. The panels can be supplied fully loaded with adapters, partially loaded or unloaded.

SC Duplex / LC Quad panels are suitable for up to 24 adapters in one line.

Features & Benefits

- Designed for installation with 19" racks to IEC 297-3
- Accommodates up to 48 splices via 2x 24f splice cassettes (double stacked)
- 2 x 26mm and 2 x 22mm cable entry holes to rear of panel
- Mounting brackets can be positioned flush, recessed or protruding
- Screen printed port identification to the front of panel
- Maximum 96 connections using LC Quad adapters
- Maximum 48 connections using SC Duplex adapters
- Removable faceplate allows easy loading of adapters and reduced stock holding
- Range of cable management options are available

Available Kits

- Kit 1 - 4 bunny clips, 1x 20mm cable gland, 6x 100mm cable ties + 4 cage nuts
- Kit 2 - Kit 1 + Splice Bridge
- Kit 3 - Kit 1 + Splice Cassette

Application

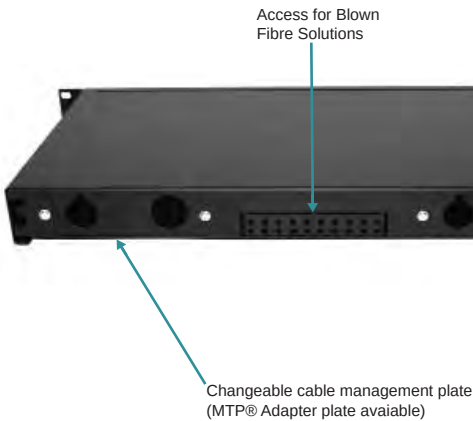
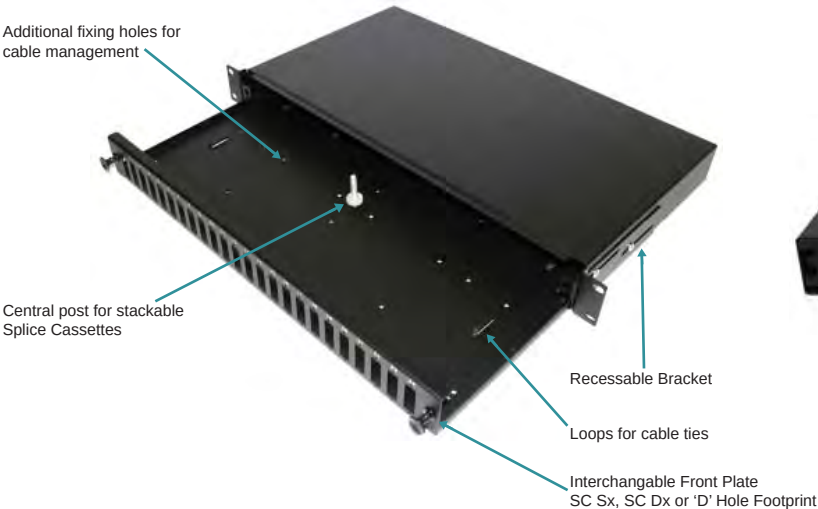
- Optical Splicing & Patching
- Data centres, premise installations, telecommunication networks
- Ethernet, Fibre Channel, ATM, LAN, MAN, and WAN
- Data Communication
- Suitable for all Lite Linke pre-terminated solutions

Description	Stock Code
24 Port Sliding Patch Panel for SC Duplex Multimode Adaptors	PPLSM-SCD/xx
24 Port Sliding Patch Panel for SC Duplex Singlemode Adaptors	PPLSS-SCD/xx
24 Port Sliding Patch Panel for LC Quad Multimode Adaptors	PPLSM-LCQ/xx
24 Port Sliding Patch Panel for LC Quad Singlemode Adaptors	PPLSS-LCQ/xx

where xx is number of adaptors



Specifications	
Element	Characteristic
U Size	1U
Width	433mm
Depth	243mm
Cable Entry Slots	2 x 26mm / 2 x 22mm
Cable Anchor Points	Rear and External
Material	Cold-rolled Steel
Colour	Black (Powder Coated) RAL: 9005
Compliance	RoHS, REACH



FC/ST Patch Panel

Our new improved range of sliding drawer panels now have Interchangeable front plates for maximum versatility.

The sliding style tray allows easy access to the fibre termination compartment without having to remove the panel from the rack; ensuring panels can be reconfigured easily.

The tray can also be fixed at an angle whilst working so engineers' hands remain free. The tray is secured with two quick release fastenings. Standard 19" width with movable mounting brackets enable the panel to be mounted flush or recessed. Removable front plate panel allows for easy installation of adapters. One base accepts 3 different front panels to allow for maximum flexibility in supply. The panels can be supplied fully loaded with adapters, partially loaded or unloaded.

FC / ST panels are suitable for up to 24 adapters in one line.

Description	Stock Code
24 Port Sliding Patch Panel for FC Multimode Adaptors	PPLLSSM-FC/xx
24 Port Sliding Patch Panel for FC Singlemode Adaptors	PPLLSSS-FC/xx
24 Port Sliding Patch Panel for ST Multimode Adaptors	PPLLSSM-ST/xx
24 Port Sliding Patch Panel for ST Singlemode Adaptors	PPLLSSS-ST/xx

where xx is number of adaptors

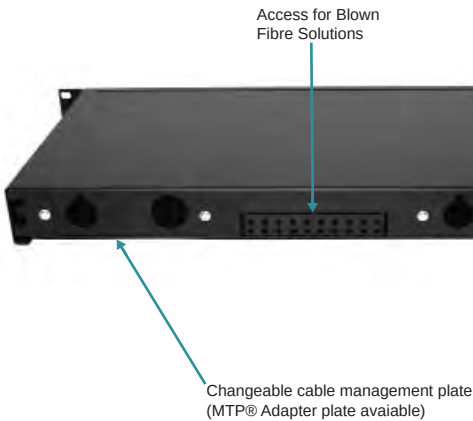
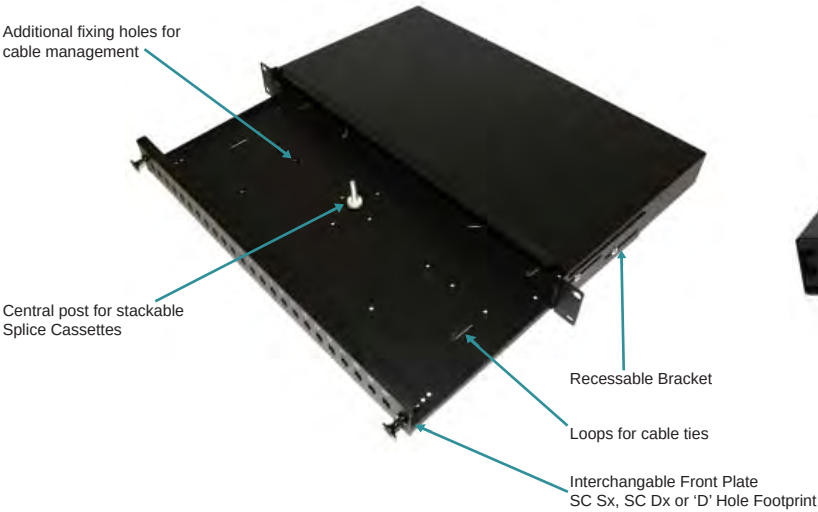


Features & Benefits
• Designed for installation with 19" racks to IEC 297-3 • Accommodates up to 48 splices via 2x 24f splice cassettes (double stacked) • 2 x 26mm and 2 x 22mm cable entry holes to rear of panel • Mounting brackets can be positioned flush, recessed or protruding • Screen printed port identification to the front of panel • Maximum 24 connections using FC/ST Simplex adapters • Removable faceplate allows easy loading of adapters and reduced stock holding • Range of cable management options are available

Available Kits
• Kit 1 - 4 bunny clips, 1x 20mm cable gland, 6x 100mm cable ties + 4 cage nuts • Kit 2 - Kit 1 + Splice Bridge • Kit 3 - Kit 1 + Splice Cassette

Application
• Optical Splicing & Patching • Data centres, premise installations, telecommunication networks • Ethernet, Fibre Channel, ATM, LAN, MAN, and WAN • Data Communication • Suitable for all Lite Linke pre-terminated solutions

Specifications	
Element	Characteristic
U Size	1U
Width	433mm
Depth	243mm
Cable Entry Slots	2 x 26mm / 2 x 22mm
Cable Anchor Points	Rear and External
Material	Cold-rolled Steel
Colour	Black (Powder Coated) RAL: 9005
Compliance	RoHS, REACH



MPT/MPO Ruggedised Trunk Cable Assemblies

The MPT/MPO trunk assembly features the small, compact size of 3mm cable, providing a flexible ruggedised product with the addition of improved optical performance.

The MPT/MPO trunk multicore cable assemblies facilitate rapid deployment of high density backbone cabling in data centres and other high fibre environments reducing network installation or reconfiguration time and cost.

They are used to interconnect cassettes, panels or ruggedised MPT/MPO Fan Outs. Our MPT/MPO trunks are built with the highest quality components.



Features

- 12 fibres
- OS1, OS2, OM3, OM4 fibre grades
- Methods A, B or C
- Female and Male MPT/MPO connectors
- LSZH cable jacket
- UK Factory terminated and tested
- Easy Deployment - Factory terminated modular system saves installation and network reconfiguration time

Application

- Parallel Optics
- Emerging 40 and 100Gbps Protocol
- Data Centre Infrastructure
- Storage Area Network – Fibre Channel

Specification	
Element	Characteristic
Fibre	OS1/OS2, OM3, OM4 (ISO/IEC 60793)
Cable	12 core MAX OD: 12 cores 3mm (LSZH) Colour; Yellow, Aqua
Operation Temp.	-40 ~ +80°C
Installation Temp.	-10 ~ +70°C

Connector Performance			
Connector Mating	IL Average(dB)	IL Max(dB)	Return Loss(dB)
MPT/MPO (MM)	0.35	0.60	n/a
MPT/MPO (MM) Low Loss	0.15	0.35	n/a
MPT/MPO SM	0.40	0.75	55
MPT/MPO SM Low Loss	0.10	0.35	55

1U 3 Port Chassis /MPO Cassettes

1U 3 Port Chassis

This chassis has been designed to accept up to 3 MPO cassettes within a 1U slot.

With the ability to use LC and SC style of adaptors, which allows easy access during installation or re-work, with no disturbance of the existing cable or fibres.

The chassis offers multiple cable management slots for securing trunk cables to the rear of the 1U chassis.

**Application**

- Up to 3 cassettes in a 1U slot
- LC Quads and SC Duplex adaptors available
- Attachable cable management rings (45x60mm)
- Finish: Semi gloss to RAL 9005 black
- Up to 27 adaptor positions per chassis
- Fits standard 19" cabinet
- Up to 108 fibre ports (LC)
- Rear and front mounted cassettes
- Dimensions: 215 x 435 x 44

Application

- Ethernet, Fibre Channel, ATM, LAN, MAN and WAN
- Data communication and telecommunication networks
- Data centres, premise installations, telecommunication networks
- Indoor Applications

MPO Cassette Modules

MPO Cassette Modules provide secure transition between MPO and LC or SC connectors.

They are used to interconnect MPO backbones with LC or SC patching. Cassettes can be mounted in 1U 19" multislot chassis. MPO Cassettes contain factory controlled and tested MPO-LC Fan Outs to deliver optical performance and reliability.

Application

- Parallel Optics
- Data Centre Infrastructure
- Storage Area Network - Fibre Channel

**Features**

- MPO standard compliant multifibre connector
- OS1/OS2, OM3, OM4 fibre grades (OM1 and OM2 available)
- 12, 24 and 36 fibre versions – LC (Quad) / SC (Duplex) adaptors available
- Methods A is the standard configuration, B or C is available on request
- UK Factory terminated and tested
- Compatible with our 1U 3 Port MPO Chassis
- Rear or front mounted
- Easy Deployment – factory terminated modular system saves installation and network reconfiguration time
- High Density – 12, 24 or 36 fibre cassettes can be mounted in 1U scaling up to 108 fibres
- Reliability – combination of high quality components are used in the manufacturing process guaranteeing the product to the highest standard
- Dimensions: 134mm x 120mm x 40mm
- Finish - Semi-gloss to RAL 9005 Black

1U Cable Management Tray

The 1U cable management panel simplifies the organising of excess cable and provides a neat looking internal solution.

Cable access to the panel is via two brush strips, front and rear. The sliding drawer design allows for easy spooling of excess cabling.

Capable of anchoring multicore cable with the use of the 2 x 20mm holes on the gland plate.

For added versatility, further accessories are available, such as splice cassettes and an adapter plate.

Features/Benefits

- 2x brush strips (1x front, 1x rear) (Included)
- 2x cable spools (Included)
- Anchor plate with 2x 20mm holes (Included)
- Notches on front and rear to allow 20mm glands if using pre-terminated cable
- Can accommodate our splice cassettes as a replacement for gland plate
- Recessable fixing brackets

Applications

- Data centres, premise installations, telecommunication networks
- Ethernet, Fibre Channel, ATM, LAN, MAN and WAN
- Data communication
- Indoor applications
- Suits our tight buffered pre-terms only, NOT loose tube or CST/SWA



Specification	
Size	1U
Width	450mm
Depth	200mm
Cable Entry	2x Brush Strips
Cable entry anchor	2x 20mm Holes
Material	Cold-rolled steel
Colour	Black (Powder coated) RAL: 9005
Compliance	RoHS, REACH
Stock Code	620-PPS-MAN-1U-BRUSHSTRIPS



Attenuators

E2000 (UPC)**Description****Stock Code**

E2000 buildout attenuator SM 2dB (1310/1550)	605-019502-025
E2000 buildout attenuator SM 3dB (1310/1550)	605-019503-025
E2000 buildout attenuator SM 4dB (1310/1550)	605-019504-025
E2000 buildout attenuator SM 5dB (1310/1550)	605-019505-025
E2000 buildout attenuator SM 6dB (1310/1550)	605-019506-025
E2000 buildout attenuator SM 7dB (1310/1550)	605-019507-025
E2000 buildout attenuator SM 10dB (1310/1550)	605-019510-025
E2000 buildout attenuator SM 15dB (1310/1550)	605-019515-025
E2000 buildout attenuator SM 20dB (1310/1550)	605-019520-025

LC**Description****Stock Code**

LC buildout attenuator SM 2dB (1310/1550)	605-079502-025
LC buildout attenuator SM 3dB (1310/1550)	605-079503-025
LC buildout attenuator SM 5dB (1310/1550)	605-079505-025
LC buildout attenuator SM 7dB (1310/1550)	605-079507-025
LC buildout attenuator SM 10dB (1310/1550)	605-079510-025
LC buildout attenuator SM 15dB (1310/1550)	605-079515-025
LC buildout attenuator SM 20dB (1310/1550)	605-079520-025

SC**Description****Stock Code**

SC buildout attenuator SM 2dB (1310/1550)	605-119502-025
SC buildout attenuator SM 3dB (1310/1550)	605-119503-025
SC buildout attenuator SM 5dB (1310/1550)	605-119505-025
SC buildout attenuator SM 7dB (1310/1550)	605-119507-025
SC buildout attenuator SM 10dB (1310/1550)	605-119510-025
SC buildout attenuator SM 15dB (1310/1550)	605-119515-025
SC buildout attenuator SM 20dB (1310/1550)	605-119520-025

SC/APC**Description****Stock Code**

SC/APC buildout attenuator SM 2dB (1310/1550)	605-109502-025
SC/APC buildout attenuator SM 3dB (1310/1550)	605-109503-025
SC/APC buildout attenuator SM 4dB (1310/1550)	605-109504-025
SC/APC buildout attenuator SM 5dB (1310/1550)	605-109505-025
SC/APC buildout attenuator SM 10dB (1310/1550)	605-109510-025
SC/APC buildout attenuator SM 15dB (1310/1550)	605-109515-025
SC/APC buildout attenuator SM 20dB (1310/1550)	605-109520-025

FC**Description****Stock Code**

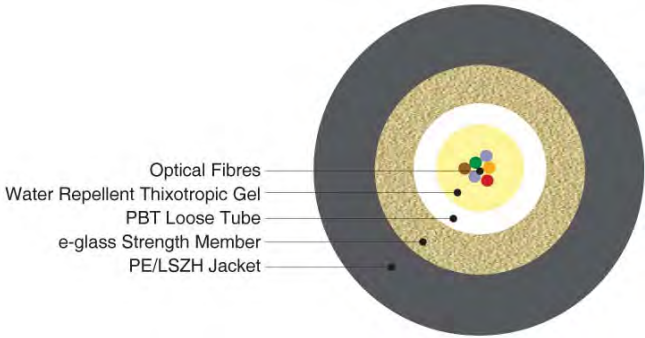
FC buildout attenuator SM 2dB (1310/1550)	605-059502-025
FC buildout attenuator SM 3dB (1310/1550)	605-059503-025
FC buildout attenuator SM 5dB (1310/1550)	605-059505-025
FC buildout attenuator SM 7dB (1310/1550)	605-059507-025
FC buildout attenuator SM 10dB (1310/1550)	605-059510-025
FC buildout attenuator SM 15dB (1310/1550)	605-059515-025
FC buildout attenuator SM 20dB (1310/1550)	605-059520-025

Attenuators

ST (Single-Mode)	Description	Stock Code
	ST buildout attenuator SM 2dB (1310/1550)	605-149502-025
	ST buildout attenuator SM 3dB (1310/1550)	605-149503-025
	ST buildout attenuator SM 4dB (1310/1550)	605-149504-025
	ST buildout attenuator SM 5dB (1310/1550)	605-149505-025
	ST buildout attenuator SM 6dB (1310/1550)	605-149506-025
	ST buildout attenuator SM 7dB (1310/1550)	605-149507-025
	ST buildout attenuator SM 10dB (1310/1550)	605-149510-025
	ST buildout attenuator SM 15dB (1310/1550)	605-149515-025
	ST buildout attenuator SM 20dB (1310/1550)	605-149520-025

ST (Multi-Mode)	Description	Stock Code
	ST buildout attenuator MM 62.5/125 2dB (850nm)	605-146502-109
	ST buildout attenuator MM 62.5/125 3dB (850nm)	605-146503-109
	ST buildout attenuator MM 62.5/125 4dB (850nm)	605-146504-109
	ST buildout attenuator MM 62.5/125 5dB (850nm)	605-146505-109
	ST buildout attenuator MM 62.5/125 6dB (850nm)	605-146506-109
	ST buildout attenuator MM 62.5/125 7dB (850nm)	605-146507-109
	ST buildout attenuator MM 62.5/125 10dB (850nm)	605-146510-109
	ST buildout attenuator MM 62.5/125 15dB (850nm)	605-146515-109
	ST buildout attenuator MM 62.5/125 20dB (850nm)	605-146520-109

Fibre Optic Loose Tube Cable 2-24 Fibres

Description				
2 to 24 fibre OM1, OM2, OM3, OM4 multimode or OS1/OS2 ITU-T G.652D, G.657A1 or G.657A2 single mode 250µm single loose tube external or internal/external duct cables with e-glass strength members and polyethylene (PE) or Low Smoke Zero Halogen (LSZH) jacket. The single loose tube cables consist of 2 to 24, 250µm optical fibres in a single gel filled loose tube with e-glass non metallic strength members and black PE or LSZH, UV resistant jacket with ripcord.				
Features				
- Choice of fibre types - Colour coded fibres - E-glass strength members for rodent resistance - Flame retardant LSZH jacket option for enhanced fire performance - Compact 250µm loose tube construction				
Applications				
- Suitable for internal / external duct applications - Suitable for environments where rodent resistance is required - Ideal for intra building links in campus environments				
Specification				
Description	Measurement	2-12 Core	14-24 Core	
Outer Diameter	mm	6.5 ±0.3	6.7 ±0.3	
Weight	kg/km	40	47	
Max. Load (installation)	N	1000	1000	
Max. Load (installed)	N	500	500	
Min. Bend Radius (installation)	Times diameter	20	20	
Min. Bend Radius (installed)	Times diameter	10	10	
Fire Performance	-	LSZH	LSZH	
Operating Temp.	°C	-20~+60	-20~+60	
Storage Temp. -20~+60	°C	-20~+60	-20~+60	
Installation Temp.	°C	-20~+60	-20~+60	
Crush Resistance	N/100mm	1000	1000	

Ordering Information	
Description	Stock Code
OM1 PE	625-OM1LT**PBK
OM1 LSZH	625-OM1LT**UBK
OM2 PE	625-OM2LT**PBK
OM2 LSZH	625-OM2LT**UBK
OM3 PE	625-OM3LT**PBK
OM3 LSZH	625-OM3LT**UBK
OM4 PE	625-OM4LT**PBK
OM4 LSZH	625-OM4LT**UBK
OS1/OS2 PE	625-OS1LT**PBK
OS1/OS2 LSZH	625-OS1LT**UBK
G.657A1 PE	625-7A1LT**PBK
G.657A1 LSZH	625-7A1LT**UBK
G.657A2 PE	625-7A2LT**PBK
G.657A2 LSZH	625-7A2LT**UBK
Where ** is the fibre count between 2 & 24	



Self-supporting Cable

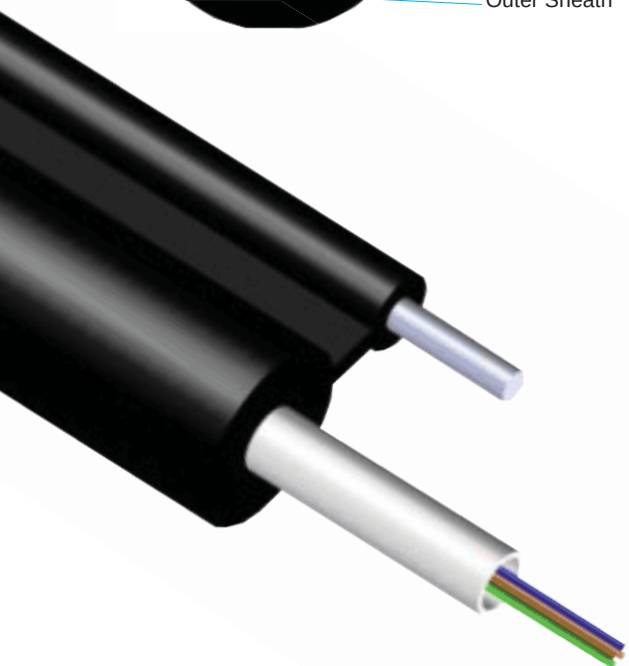
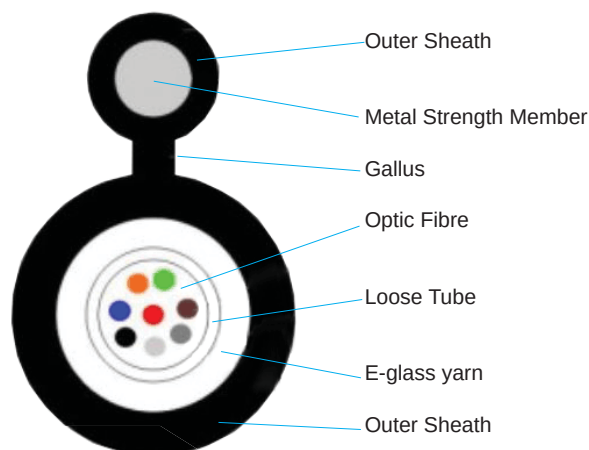
- GYXTC8Y
- GYXTC8S
- GYTC8S

APPLICATION

- Suitable for aerial duct and buried method
- Long distance and local area network communication

CHARACTERISTICS

- Stainless steel or galvanized steel self-supporting
- Excellent mechanical and environmental performance
- Fiber count: 2-24 cores



Fiber Allocation Scheme					
Fiber number	Tube number	Fiber per tube	Fiber type		
2	1	2 F/Tube	SM G652D MM 50/125 MM 62.5/125		
4	1	4 F/Tube			
6	1	6 F/Tube			
8	1	8 F/Tube			
12	1	12 F/Tube			
24	1	24 F/Tube			
Cable Construction Details					
Items		Description			
Number of fibre		2 cores to 24cores			
Connector strength member		Material	Galvanized steel wire		
		diameter	1.2 mm		
Loose tube		Material	PBT		
		diameter	Φ2.8		
Cable filling		material	Cable filling compound		
Outer sheath		material	HDPE		
		diameter	1.7±0.2mm		
Cable Mechanical Characteristic					
Items		Cable diameter	Weight		
2 cores to 24 cores		3.2*6.5 mm	54 kg/km		
Installation Temperature range		-15--+60			
Operation and transport temperature		-40-+70			
Rec.daily max working tension		1500 N			
Max. Allowable working tension		600 N			
Min Bending Radius(mm)		operation	10D mm		
		installation	20D		
Extra load		0.5%-0.7%			
Ice		5mm			
Wind speed		35m/s			
Fibre Characteristic					
Fiber style		Unit	SM G652D	MM 50/125	MM 62.5/125
condition		nm		850/1300	850/1300
attenuation		dB/km		≤3.0/1.0	≤3.0/1.0
Dispersion		1310nm	Ps/(nm*km)	≥-3.4 ≤3.4	.....
		1550nm	Ps/(nm*km)	≤18	.....
		1625nm	Ps/(nm*km)	≤22	.....
Bandwidth		850nm	MHZ. KM	.....	≥ 800
		1300nm	MHZ. KM	.....	≥ 800
Zero dispersion wavelength		nm	≥1302,≥1322	.....	.....
Zero dispersion slope		Ps/(nm2*km)	≤0.091	.....	.....
PMD Maximum Individual Fiber		Ps√km	≤0.2	.....	.....
PMD Design Link Value		Ps√km	≤0.08	.....	.....
Fibre cutoff wavelength λc		nm	≥ 1180, ≤1330	.....	.....
Cable cutoff wavelength λcc		nm	≤1260	.....	.....
MFD		1310nm	um	9.2±0.4	.....
		1550nm	um	10.4±0.8	.....
Numerical Aperture(NA)			.....	0.200±0.015	0.275±0.015
Step(mean of bidirectional measurement)		dB	≤0.05	≤0.10	≤0.10
Irregularities over fiber length and point discontinuity		dB	≤0.05	≤0.10	≤0.10
Difference backscatter coefficient		dB/km	≤0.03	≤0.08	≤0.10
Attenuation uniformity		dB/km	≤0.01	.....	.....
Core diameter		um	.....	50±1.0	62.5±2.5
Cladding diameter		um	125.0±0.1	125.0±0.1	125.0±0.1
Cladding non-circularity		%	≤1.0	≤1.0	≤1.0
Coating diameter		um	242±7	242±7	242±7
Coating/chaffinch concentricity error		um	≤12.0	≤12.0	≤12.0
Coating non circularity		%	≤6.0	≤6.0	≤6.0
Core/cladding concentricity error		um	0.6	≤1.5	≤1.5
Curl(radius)		um	≤4	.....	.....



Description	Stock Code
10/100M Media Converter, SC/FC option, AC or DC external power supply	615-HM-T100B
10/100M Media Converter, SFP/LC, AC or DC external power supply	615-HM-T100BLC
10/100M Media Converter, SC/FC option, AC or DC internal power supply	615-HM-T100N
10/100M Media Converter, SFP/LC, AC or DC internal power supply	615-HM-T100NLC

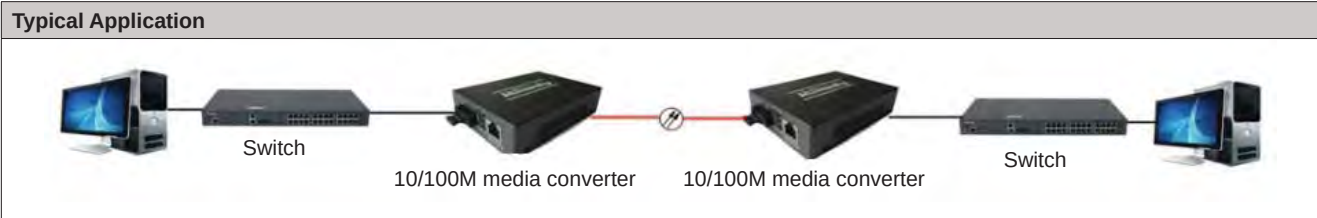
Application:

10/100M media converter realizes Ethernet transmission over fiber. This device is applied in many places where need long distance transmission.

Features

- Comply with standards of IEEE802.3, IEEE 802.3u.
- Comply with protocol of IEEE 802.1Q VLAN TAG, Spanning Tree etc
- LED indicators for easy installation and maintenance
- Pass RFC2544, RFC2889 test

Technical	
Ethernet interface	One Ethernet port
	Connector: RJ45
	Auto-adapt full/half duplex
	Auto-adapt 10/100M
	Both MDI/MDIX available
Optical interface	Connector: SC default, SC/FC/LC option
	Optical port: 155M
	Default: Dual fiber, single mode,25km, 1310nm
	Optical module is customized according to different requirement
Indicators	PWR, FLINK, ELINK,100M, DUP
Environment	Working temperature: 0°C~70°C
	Storage temperature: -40°C~85°C
	Relative humidity: <90%, non-condensing
	Power: AC or DC power



10/100M & 10/1000M media converter (1xOptical, 4xEthernet)

Application:

10/100M and 10/1000M media converters realize Ethernet transmission over fiber. This device is applied in many places where need long distance transmission.

Features

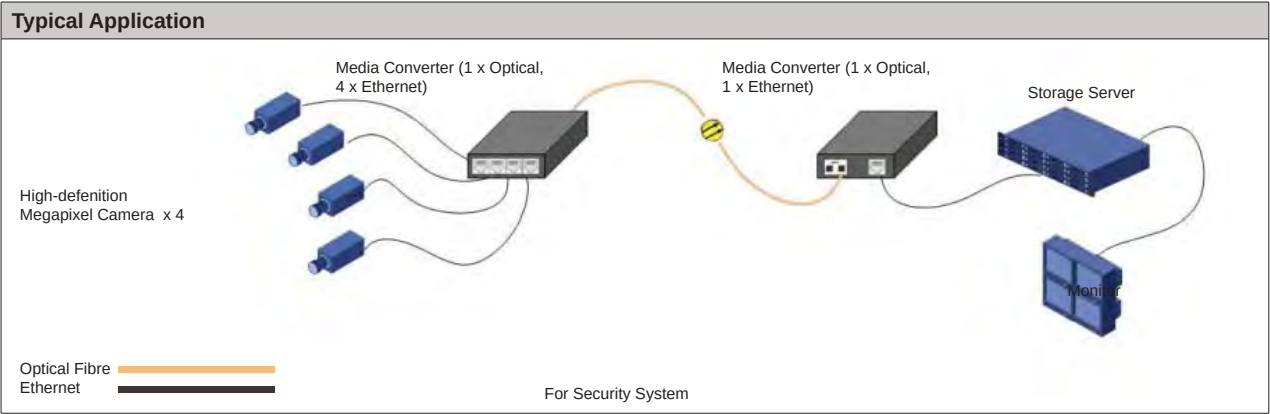
- Comply with standards of IEEE802.3, IEEE 802.3u.
- Comply with protocol of IEEE 802.1Q VLAN, with QinQ function
- Comply RFC2544
- Ethernet auto adapt 10/100M, full/half duplex
- With RPD(Remote Power Detection)
- Auto adapt MDI/MDIX
- The optic fiber link up to 120km
- MTU up to 1600Bytes
- Support flow control
- Certificate: CE, FCC, RoHS

Technical		
	100M	1000M
Ethernet interface	4 Ethernet ports Connector: RJ45 Auto-adapt full/half duplex Auto-adapt 10/100M Both MDI/MDIX available	4 Ethernet ports Connector: RJ45 The 4Ethernet share 10/100/1000M Auto-adapt full/half duplex Auto-adapt 10/100/1000M Both MDI/MDIX available
Optical interface	Connector: SC default, SC/FC/LC option Optical port: 155M Default: Dual fiber, single mode,20km, 1310nm Optical module is customized according to different requirement	Connector: SC default, SC/FC/LC option Optical port: 1.25G Default: Dual fiber, single mode,20km, 1310nm Optical module is customized according to different requirement
Environment	Working temperature: 0°C~70°C	
	Storage temperature: -40°C~85°C	
	Relative humidity: <90%, non-condensing	
	Power: AC or DC power	



Speed	Optical Ports	Ethernet Ports	SFP	VLAN	Auto	Auto MDI/MDIX	Auto Full/Half duplex	Internal Power	RPD	Stock Code
100M	1	4		√	√	√	√		√	615-HM-T100B4E
	1	4	√	√	√	√	√		√	615-HM-T100B4ELC
	1	4		√	√	√	√	√	√	615-HM-T100N4E
	1	4	√	√	√	√	√	√	√	615-HM-T100N4ELC

Speed	Optical Ports	Ethernet Ports	SFP	VLAN	Auto	Auto MDI/MDIX	Auto Full/Half duplex	Internal Power	RPD	Stock Code
1000M	1	4		√	√	√	√		√	615-HM-T1000B4E
	1	4	√	√	√	√	√		√	615-HM-T1000B4ELC
	1	4		√	√	√	√	√	√	615-HM-T1000N4E
	1	4	√	√	√	√	√	√	√	615-HM-T1000N4ELC



Application:

Dual fibre transceiver is a high performance transceiver module for Gigabit Ethernet data link over a singlemode fiber pair. The maximum reach is 10km, for a 10dB end of life (EOL) power budget. The emitter is a 1310nm Fabry Perot (FP) laser, the receiver a PIN photodiode.

This transceiver module is compliant with the Small Form-factor Pluggable (SFP) Multisource Agreement (MSA) and hot pluggable.

Features

- SFP Multi-Source Agreement compliant
- Dual LC connector
- 1310nm FP transmitter
- 10km point-to-point transmission on singlemode fibre
- 1x Fibre Channel compliant
- Gigabit Ethernet compliant
- Hot pluggable SFP footprint
- Serial ID functionality supported according to SFF-8472
- Class 1 laser safety standard IEC 60825 compliant
- Low power dissipation (<1W)
- Operating temperature range -40°C to 85°C
- Digital diagnostics monitoring (DDM) Option

Applications

- FTTx
- Gigabit Ethernet
- Storage

The optical ports of the module need to be terminated with an optical connector or with a dust plug in order to avoid contamination.



Stock Code	Description	Nominal Wavelength [nm]	Average Output Power (1) [dBm]	Typical Optical Receiver Sensitivity (2) [dBm]	Optical Receiver Overload [dBm]
615-SFP13010GE00	SFP dual fibre, Tx 1310nm (FP) , Rx (PIN), maximum distance 10km, power budget 10dB, Gigabit Ethernet, LC connector, 0°C to 70°C	1310nm	-10 to -3	-20	0
615-SFP13010GE0D	SFP dual fibre, Tx 1310nm (FP) , Rx (PIN), maximum distance 10km, power budget 10dB, Gigabit Ethernet, LC connector, 0°C to 70°C, DDM	1310nm	-10 to -3	-20	0
615-SFP13010GE20	SFP dual fibre, Tx 1310nm (FP) , Rx (PIN), maximum distance 10km, power budget 10dB, Gigabit Ethernet, LC connector, -40°C to 85°C	1310nm	-10 to -3	-20	0
615-SFP13010GE2D	SFP dual fibre, Tx 1310nm (FP) , Rx (PIN), maximum distance 10km, power budget 10dB, Gigabit Ethernet, LC connector, -40°C to 85°C, DDM	1310nm	-10 to -3	-20	0

(1) EOL, over operating temperature range
(2) Measured at Gigabit Ethernet

Application

Storage unit for handling slack of optical patch cords.

The main application for this unit is to handle slack of patch cables connected between any fiber optic unit like transmission equipment, ODFs, splitter shelves etc.

Using a storage unit in a system enables the possibility to use a standardized length of patch cords rather

Design

The unit is divided in 24 compartments for vertical storage of the patch cords. Up to 6 m of slack can be stored in one compartment. The mounting brackets fit both 19" standard mount and metric (ETSI) mounting holes.

Material

The termination unit is made of painted Aluzinc sheet steel. All products are in accordance with RoHS.

Size, weight & colour

Weight: 2.2 Kg

Dimensions excl. brackets:

(HxWxD): 88 x 482 x 185 (234) mm

Color: Coral white

Features

- 2U for 19" standard width
- Fits metric mounting pattern
- Small depth, 185 mm
- Stores 24 x 6 m patch slack
- Front serviced
- Light weight



Description

Stock Code: 802-NSTB-P02

This FTTH wall outlet is used for splicing and termination between indoor fiber optic cable and pigtails, for wall mounted or desktop applications. It has similar dimensions to existing telephone connections, and well suited to home or office environments.

The box can allow up to 4 fibers while maintaining the minimum bend radius. A variety of adaptors (LC/SC, & square FC) can be used giving the user a flexible solution.

The cable fixture is optional for 1 port.

Features

- Light weight, small size and easy installation.
- Made of high class engineering plastic ABS.
- Adapters available: SC,LC, squared FC.
- Special fiber routing designs to ensure the bending radius greater than 40mm.
- Installation accessory provided.

Specifications	
Item	Technical Details
Applicable for	Drop cable3.1*2.0mm; Indoor cable
Optical fiber diameter	125µm (652 & 657)
Tight buffer diameter	250µm & 900µm
Fiber mode	Single & Multi mode
Adapter type	SC/LC & FC(square)
Insert loss	≤ 0.2dB(1310nm & 1550nm)
Tensile strength	>50N
Port	2
Dimension	86*86*23 mm
Material	ABS



Fibre Optic Stripper	Description	Stock Code
	This hard wearing, easy to handle fibre optic stripping tool includes three stripping guides for: 2mm outer jacket, 900µm Buffer, and 250µm acrylic coating, Safety catch and factory set adjuster.	902-OPT-FOS
Jacket Stripper	Description	Stock Code
	Ideal for stripping jackets from backbone cable between 4.5mm and 25mm in diameter. A small rotating blade accurately splits the circumference of the jacket, then by flicking a switch, the same blade will rotate 90° and is used to split the jacket down one side for easy removal.	902-OPT-CS
Carbide Pen Cleaver	Description	Stock Code
	This well presented pen-style scribe, uses a 30° wedge shaped carbide tip. Its design makes for quick and precise cleaving of optical fibre.	902-OPT-CPC
Fibre Optic Crimp Tool	Description	Stock Code
	This professional ratchet-style crimping tool is constructed of solid steel. The rubber handle provides a firm grip and includes a ratchet mechanism for consistent crimping. Crimp Specifications: .78" / .151" / .128" / .78" / .068" / .042" (4.52 / 3.84 / 3.25 / 2.0 / 1.72 / 1.07mm)	901-OPT-FOCT
Kevlar® Scissors	Description	Stock Code
	These light-weight shears are ideal for cutting the Kevlar® strength members found in fibre optic cables. Ergonomic, moulded handles provide comfort for both right and left-handed users. The one micro-serrated blade reduces slipping for more positive cutting action. Length: 140mm Weight: 79g. Kevlar is a registered trademark of DuPont	902-OPT-KS

Fibre optic cable stripper	Description	Stock Code
	The CF2-2 stripper incorporates two holes for stripping fibre optic cable. The first size accurately removes 250µm coatings and 900µm buffer tube. The second hole is able to strip cable jackets up to 3mm diameter.	902-CFS-2
Tri-hole fibre optic cable stripper	Description	Stock Code
	The tri-hole fibre optic stripper is an exceptional tool, recommended for stripping 250µm coated loose tube fibre and 900µm buffer tube. This stripper has a .0055" (0.14mm) laser drilled hole, soft plastic cushioned handle grip, and super accurate hardened stripping jaws ensuring a clean smooth stripping action.	902-FO103-T-250-J
Dual-hole fibre optic stripper	Description	Stock Code
	The FO103-D-J A 140µm diameter hole and V-opening in the blade make this tool ideal for stripping 250µm buffer coating, to expose 125µm clad fibre. A second hole strips 2-3mm fibre jackets. It is pre-set at the factory so no adjustments are needed.	902-FO103-D-J
Miller V-hole fibre optic strippers	Description	Stock Code
	These factory set strippers require no adjustment and prevent scratching or nicking of optical fibre. All cutting surfaces are precision formed, hardened, tempered and ground, assuring precise buffer removal.	902-FO103-S
NO-NIK 200µm fibre optic stripper	Description	Stock Code
	In a single short stroke the red handle removes 900µm buffer tube and the 250µm or 500µm fibre coating on tight buffer cable.	902-NN203

Fibre Optic Tooling

Cable cutter	Description	Stock Code
	These durable cable cutters are designed to strip solid and stranded copper and aluminium conductor. Constructed of high quality carbon steel the preformed rounded jaws automatically position for optimum cutting.	902-CC60
Jacket stripping tool	Description	Stock Code
	This stripper can be used on 4.5 to 28.5mm cable insulations and has an adjustable cutting depth of 3mm, as well as alternative blade options to suit different jacket types. Its stripping action is both circumferential and longitudinal, for the removal of insulation or mid span wires.	902-MK02
Jacket stripping tool	Description	Stock Code
	Designed for precision stripping of a variety of insulation types including rubber, PVC, nylon, cotton and coaxial cables from 8mm to 25mm diameter. Its stripping action is both circumferential and longitudinal for the removal of insulation or mid-span wires.	902-MK01A
Magni tweezers	Description	Stock Code
	This handy stainless steel tool is specifically suited to fibre optic applications. Its integral magnifier improves ability to work with small fibre optic segments.	902-MT-1
NO-NIK 200µm fibre optic stripper	Description	Stock Code
	Professional grade tool ideal for slitting the corrugated copper, steel or aluminium armour layer on fibre feeder, central tube, stranded loose tube fibre optic cables and other armoured cables.	902-ACS

400X Hand Held Optical Inspection Scope 902-HW-400XA

The HW-400XA fiber optic microscope utilizes a white light LED for coaxial illumination. Light is introduced into the optical path (axis) so that it comes out the tip of the objective lens and strikes the ferrule perpendicular to the end face.

This method of illumination produces a high level of resolution providing excellent detail of scratches and contamination.



- Stock Code**
902-HW-400XA
- Light source:**
3*AAA batteries
- Controls: momentary on/off switch for light source and fine force control wheel
 - Adapter interface: interchangeable for 2.5mm(SC,ST,FC) and 1.25mm(LC,MU) ferrule connector
- Optional Adapters:**
- 2.5mm APC Univesal Adapter(Used for SC/APC, FC/APC, ST/APC)
 - 1.25mm LC/APC connector adapter

Accessories:	
Description	Stock Code
LC/UPC Adapter	902-LC-400XA
2.5mm universal APC Adapter	902-2.5APC-XA
1.25mm LC/APC Adapter	902-LC/APC-XA

200X Dual Illumination Optical Microscope 902-HW-200MF

The HW-200MF is a dual illumination 200x microscope. It uses a pair of white LED's to provide both coaxial and oblique illumination. This lighting technique facilitates both detecting fine scratches and precisely determining their location relative to the core.



- Stock Code**
902-HW-200MF
- LED illumination, Clear bright images
 - Laser filter installed for eye protection
 - Magnification: 200X, Smooth focus control
 - Power Source: 3×LR44 button batteries
 - Light Source: white LED, rated for 100,000 hours
 - Controls: Fine Focus control wheel
 - Switch: rocker switch
 - Safety Filter: Built in IR filter
 - Gross Weight: 0.33kg, Color: Black
 - Size: 225mm(L)× 32mm diameter
- Adapter Interface:**
- interchangeable universal 2.5mm
 - (for SC/PC,ST/PC,FC/PC;SC/APC,ST/APC,FC/APC) and 1.25mm (for LC/PC,MU/PC;LC/APC,MU/APC) adapters.

Accessories:	
Description	Stock Code
LC Duplex Adaptor for 902-HW-200MF	902-LCD-200MF
LC Adaptor for 902-HW-200MF	902-LC-200MF
SMA905 Adaptor for 902-HW-200MF	902-SMA-200MF

Fibre Optic Cleaning Tools

One Click Cleaner

One Click Cleaning Tools are designed to clean a wide variety of connector types either directly or when mounted in an adaptor with a simple single-action cleaning system (push/release).

This handy tool is effective with a variety of contaminants and with over 800 cleaning cycles per unit it also has a remarkably low cost per clean.

One Click Cleaner is available in a 2.5mm version for SC, FC, and ST connectors and 1.25mm variant for LC and MU connectors. This instrument cleans the ferrule end face removing dust, oil, and other debris without nicking or scratching the end face.

Features

- Easy pushing motion engages connector and initiates cleaner
- Disposable with 800+ cleanings per unit
- Made from anti static resin
- Cleaning micro fi bers are densely stranded and debris free
- Extendable tip reaches recessed connectors mounted in an adaptor
- Cleaning system rotates 180

Applicatons

- Fibre network panels and assemblies
- Outdoor FTTX applications
- Cable assembly production facility
- Testing laboratories
- Server, switches, routers and OADMS with SC and LC interface



Stock Code	Description
CSM-08-069	One Click Cleaner 2.5mm - SC/ST/FC/E2000
CSM-08-070	One Click Cleaner 1.25mm - LC/MU

Fibre Connector Cleaning Cassette

A mechanical version of the dry wipe process. The cleaning cassettes produces faster, more consistent and less abrasive results than dry wiping. One reel of the weaved polyester cloth is capable of 500 fi bre cleans, and the reels are replaceable.

- For use with SC, FC, ST, D4, MU, LC, MT, DIN

Stock Code	Description
CSM-08-062	Fibre Connector Cleaning Cassette
CSM-08-063	Cleaning Cassette Replacement Reel



Optical Power Meter 955-FPM-380

955-FPM-380 Handheld Optical Power Meter is a self-developed test instrument. For the installation, operation and maintenance of fiber-optic network is designed as a precise, durable, convenient, portable test instrument.

Smart appearance with the backlight, auto-shutdown features, the wide range of optical power testing, test the accuracy of precision as well as a common interface design.



Application

- Maintenance Telecom
- Maintenance CATV
- Test Lab of Fiber Optic
- Optical fiber sensors

Features

- High sensitivity, large dynamic range
- Special universal connector interface FC/SC/ST
- Quick starting, without warm-up and reducing testing time
- Low-voltage display function
- Optional auto-shutdown feature
- Automatic calibration function
- The relative ratio test
- Large LCD display and backlight

Type	955-FPM-380A	955-FPM-380B
Wavelength (nm)	800~1650	
Detector	InGaAs	
Optical Connector	FC SC ST/ Universal 2.5mm adaptor (LC, MU can be optional)	
Measurement Range (dBm)	-70~+10	-50~+26
Uncertainty	±5%	
ibrated Wavelength(nm)	850, 1300, 1310, 1490, 1550, 1625	
Resolution (dB)	0.01	
Power Supply	3pcs AAA 1.5V batteries	
working time (h)	120	
Operating Temperatrue (°C)	-10~+50	
Storage Temperatrue (°C)	-20~+70	
Automatic shutdown (min)	10	
Dimension (mm)	125 x 65 x 29	
Weight (g)	160	

Optical Light Source 955-FLS-390

955-FLS-390 series of high stability of the laser light source is a self-developed instrument, Which features advanced control technology , high output, ultra low-power operation.

It can work at 1625nm, 1550nm, 1490nm, 1310nm, 1300nm, 850nm, 650nm, single wavelength, dual-wavelength or tri -wavelength. It can export a variety of modulation frequency (CW, 270HZ, 1KHZ, 2KHZ).

It is widely used in optical communication, optical measurement, optical fiber sensing, and so on.



Application

- Maintenance Telecom
- Maintenance CATV
- Test Lab of Fiber Optic
- Optical fiber sensors

Features

- Good stability in output power
- Optional auto-shutdown
- Large LCD display and backlight
- Battery power display

Type	955-FPM-380A
Emitter Type	FP-LD
Wavelength (nm)	650, 850, 1300, 1310, 1490, 1550, 1625 (1-3 wave)
Optical Connector	FC (SC/ST can be optional)
Output Power (dBm)	≥ 3m w @ 650nm; ≥ -7dBm @ 850/1300nm ≥ -7/0dBm @ 1310/1490/1550/1625nm
Output Stability(dB)	±0.04@20°C@15min
Modulation Frequencies	CW,2Hz@650nm;CW,270Hz,1KHz,2KHz@others
Fiber Type	SM, MM
Power Supply	AAA 1.5V(3pcs batteries)
working time(h)	40
Operating Temperatrue (°C)	-10~+50
Storage Temperatrue (°C)	-20~+70
Dimension (mm)	125 x 65 x 29
Weight (g)	160

Fibre Optic Cold Cure Kit

Soft Case Bag

All contents held within handy, soft case bag

Stock Code : 903-TRM04A-025

Polishing Disc's

- Hand held disc used to polish fibre optic connectors
- Free floating universal pucks suitable for most 1.25mm and 2.5mm ferrules
- Must be held in light contact with the polishing film as the free floating puck holds ferrule only



Miller Kevlar Shears

- Serrated blades and high leverage cutting
- Long cushioned handles
- Miller scissors



Miller Dual Hole Stripper

- Recommended for stripping 250um coated fibre and 900um tight buffer tube
- 0.14mm laser drilled hole
- Soft plastic-cushioned handle grip
- Smooth, clean stripping action



Inspection Microscope X400 1.25mm & 2.5mm

- 200x and 400x Magnification
- Built in safety IR filter/attenuator 35dB
- Requires 3xAAA batteries (Supplied)
- Momentary ON/OFF switch
- Fine focus control



Extra Durable Cleanroom wipes

- Cleaning fibres before termination



IPA Pre-saturated Cleaning Wipes

- Excellent for removal of fluxes, light oils, polar soils, dirt inks, oxides and gel



Scribe Pen

- 30° bevelled edge
- Reversible blade which doubles the tool's useful life
- Non-slip grip
- Clear safety cap to protect the blade when not in use



Anaerobic Adhesive

- Two part system, self cures in minutes with no heat required
- Retaining compound is injected directly into the connector with a syringe needle (syringe included)
- Either dip or spray fibre with the primer and connectorised as usual



Small Fibre Optic Disposal Unit

- A handy and safe solution of disposing cleaved fibre ends
- Perfect for on-site installers



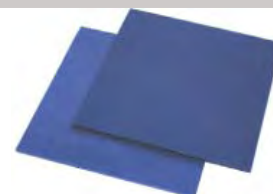
Lapping Films/Pad

- Utilised for the polishing of fibre optic connectors
- Comprehensive range of imperial lapping films
- Sheets available in various different grades



Work Mat - Fibre Safe

- Sub surface for polishing applications
- Fibre scraps easily visible on dark coloured rubberised mat



Fibre Optic Splice and Prep Kit

Soft Case Bag**All contents held within handy, soft case bag****Stock Code : 903-SPLICE-025****Miller Fibre Tubing Scoring Tool**

- One step stripping tool
- Suitable for cutting outer insulation, braid, dielectric and inner cores
- Able to perform window strips

**Fibre/Splice & Connector Cleaning Fluid**

- Ideal for cleaning ferrules in connector bulkheads as well as individual fibre optic connectors.
- This fast drying, optical-grade cleaning fluid can be used with wipes or cleaning sticks for wet/dry cleaning without residue

**Extra Durable Cleanroom wipes**

- For cleaning fibres before splicing

**IPA Pre-saturated Cleaning Wipes**

- Excellent for removal of fluxes, light oils, polar soils, dirt inks, oxides and gel

**Miller Dual Hole Stripper**

- Recommended for stripping 250um coated fibre and 900um tight buffer tube
- 0.14mm laser drilled hole
- Soft plastic-cushioned handle grip
- Smooth, clean stripping action

**Miller Round Cable Slitter with Hook**

- Removes outer jackets and insulations from 4.5mm to 28.5mm O.D
- Stripping action both circumferential and longitudinal

**Large Fibre Optic Disposal Unit**

- Safe solution to disposing of cleaved fibre ends
- Perfect for on-site installers

**Miller Kevlar Shears**

- Serrated blades and high leverage cutting
- Long cushioned handles
- Miller scissors



Fibre Optic Cleaning Kit

Soft Case Bag

All contents held within handy, soft case bag

Stock Code : 903-CLEANKIT-025

IPA Pre-saturated Cleaning Wipes

- Dimensions 65 x 65mm
- Quantity 15 pcs (sealed bag)



Fibre/Splice & Connector Cleaning Fluid

- Volume 58ml
- Non-Flamable
- Quantity - 1 pcs



Fibre Optic Connector Ferrule Cleaner

- Use 500 cleans
- Quantity 1 pc



Replacement Reel

- Dimension 50mm x 50mm
- Quantity 1 pcs



Cleaning Stick/Swab

- Dimension 1.25mm
- Quantity 15 pcs
- Dimension 2.5mm
- Quantity 15 pcs



Extra Durable Cleanroom wipes

- Dimension 100 x 100mm
- Quantity 1 pack (100 wipes)



One Click Cleaner

- | | |
|---|---|
| <ul style="list-style-type: none"> • SC/ST/E2000/FC • Dimension 165x18x18mm • Head 2.5mm • Quantity 1 pcs | <ul style="list-style-type: none"> • LC/MU • Dimension 165x18x18mm • Head 1.25mm • Quantity 1 pcs |
|---|---|



Additional Items Available

Inspection Microscope X400 1.25mm & 2.5mm

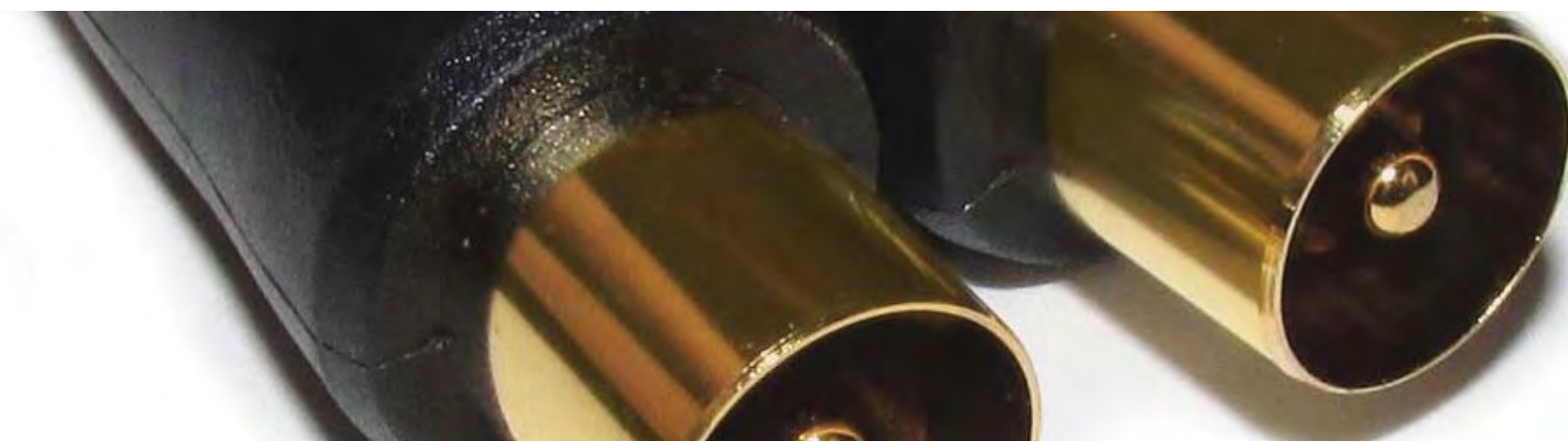
- Dimension 225 x 32mm
- Quantity 1 pcs
- Weight 0.63kg
- 3 AAA Batteries included



Visible Light Source VFL-250

- 2x AAA Batteries included
- Quantity 1 pcs





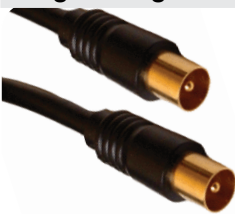
Audio & Video

Aerial Cables

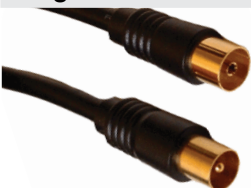
RF Coaxial TV Aerial Lead Coax Plug to Plug Black Gold	Length	Stock Code
	0.5m	312-PSG00629
	1.0m	312-PSG00630
	1.5m	312-PSG00631



Pro Signal RF Aerial Coax Plug to Plug Cable GOLD Plated	Length	Stock Code
	2.0m	312-PSG00632
	3.0m	312-PSG00633
	5.0m	312-PSG00634
	10.0m	312-PSG00635



Pro Signal RF Aerial Coax Plug to Socket Cable GOLD	Length	Stock Code
	0.5m	312-PSG00600
	3.0m	312-PSG00604



Pure OFC HQ RF TV Aerial Coaxial Lead Gold Male Plug To Plug	Length	Stock Code
	2.0m	312-PSG02710
	3.0m	312-PSG02711
	5.0m	312-PSG02712



RF Coaxial TV Aerial Lead Coax Plug to Plug Black Gold	Length	Stock Code
	3.0m	312-PSG02710
	5.0m	312-PSG02711



HDMI

HDMI Extender / HDMI Cable Repeater**Stock Code:** 312-HDMIEXT-000

- HDMI Cable extender, allows HD signals to be transferred over long distances up to 40m eg 35m cable, extender plus 5m cable.
- Up to 4 extenders and be daisy chained to make a maximum run of 145m, 4x 35m + 5m cable from last extender.
- DHCP compliant.
- Suitable for all HD resolutions including 720p, 1080i and 1080p.
- No power required.
- Easy to install, small size.

HDMI over Cat 5 / Cat 6 balun**Stock Code:** 312-HDMIEXT-001

- HDMI over Cat5e / Cat6 network cables, allows HDMI signals to be transferred over long distances using standard network cables.
- Suitable for all HD resolutions including 720p, 1080i and 1080p.
- Transmission distance can be up to 50 meters for 1080p when using CAT6 network cable.
- Auto-adjustment of feedback, equalization.
- HDCP compliant.
- Not compatible with DVI equipment.
- Cat5e or Cat6 (recommended) cables required, not supplied.
- Easy to install, small size.

HDMI Cat5e / Cat6 Extender balun**Stock Code:** 312-HDMIEXT-002

- HDMI over Cat5e / Cat6 network cables, allows HDMI signals to be transferred over long distances using standard network cables.
- Suitable for all HD resolutions including 720p, 1080i and 1080p.
- Transmission distance can be up to 30 meters for 1080p when using CAT6 network cable.
- Auto-adjustment of feedback, equalization.
- HDCP compliant.
- Not compatible with DVI equipment.
- Cat5e or Cat6 (recommended) cables required, not supplied.
- Easy to install, small size.

-Kit includes:
1x Transmitter Unit.
1x Receiver Unit.
5v power supply

HDMI Over Ethernet with IR Extender Cat5e Cat6**Stock Code:** 312-HDMIEXT-003

- HDMI over ethernet extender with IR.
- Sends an HDMI signal and IR remote control over 2 Cat5 ethernet cables or 2 Cat6 ethernet cables.
- Send a 1080p HDMI signal up to 50m using Cat6 UTP ethernet cable or 480p up to 100m.
- Transfers both HDMI and IR remote control signals.
- Power supply included.

HDMI over Cat 5 extender**Stock Code:** 312-HDMIEXT-004

- HDMI over Cat5 extender, transfer an HDMI signal over a single cat5 or cat6 network cable.
- Suitable for all HD resolutions including 720p, 1080i and 1080p.
- Supports up to 50 meters at 1080p when using a single CAT6 network cable.
- Auto-adjustment of feedback, equalization.
- HDCP compliant.
- Not compatible with DVI equipment.
- Single Cat5 or Cat6 (recommended) cables required, not supplied.
- Easy to install, small size.
- Package includes sender unit, receiver unit and 2 x 5v power supplies

AV Patch Panels

The AV Patch Panels complement AV adapter inserts and offer a flexible patching solution. The AV adapter inserts are ordered separately and can be quickly snapped into blank patch panels.

The modular capability allows custom configuration of panels to suit a variety of applications. Low cost blank inserts are available to fill unused ports and can be replaced with active couplers when the need

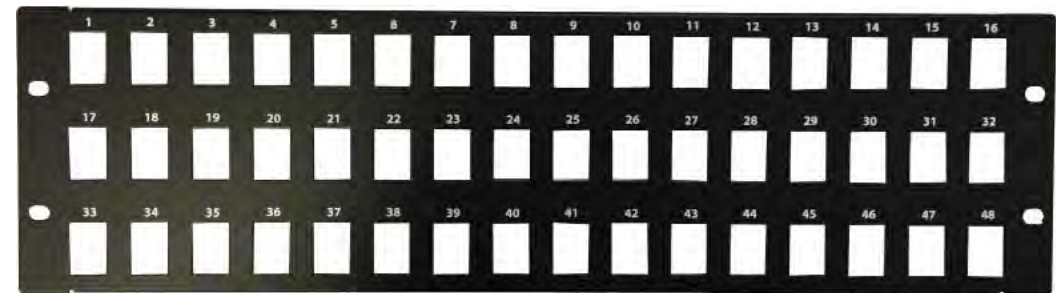
Modular A/V Patch Panels



16 Port, 1U Code: 312-AV-K16



32 Port, 2U Code: 312-AV-K32



48 Port, 3U Code: 312-AV-K48

A/V Bezels - Bus Series



Blank
Code: 312-AV-BNKBEZ



BNC J/J 75ohm Nickel-Plated
Code: 312-AV-BNCBEZ75



F-Type J/J Nickel-Plated
Code: 312-AV-FBEZ



RCA J/J Nickel-Plated White Stripe
Code: 312-AV-RCABEZ

MiniLink 16 Port 1U RF 75ohm F Series



Code: 802-PPCFF161C

MiniLink 16 port double skin 19inch panel, pre-loaded with "F" series 75ohm RF Co-axial keystone thru-coupler modules (802-MT50-FFCK).

Features:

- Black powder coat finish.
- Each port Individually numbered.
- Each co-axial coupler can be easily removed or replaced with a blank (802-MT66-BLNK)
- Connector suitable for 1Ghz performance

Cat 5 Video Balun Adapter BNC to RJ45

- Single Path
- Bi-Directional
- Low Insertion Loss
- No Power Required

Ideal for CCTV, security, monitoring and surveillance applications.

Composite Video (PAL, NTSC, SECAM) is transmitted via Category 5 twisted pair cables in place of coaxial cable.

Use of Cat 5 twisted pair wiring improves signal noise immunity and reduces labour, cable and installation costs.

The Male balun is suitable for direct camera attachment. Should you have multiple cameras, the rack mounted Combination Panel can support up to 16 CCTV camera feeds via 16 BNC female baluns. Video baluns must be used in pairs.



Balun Adapter Video BNC Male
Stock Code: 260-MCV-016



Balun Adapter Video BNC
Female Panel Mt.
Stock Code: 260-FCV-016



Combination Panel 19" 1U
Stock Code: 802-16RJ-016

Coax Connection	BNC Male or BNC Female
Twisted Pair Connection	RJ45 female
Wiring Scheme	4-Signal, 5-Ground
Synchronisation	Composite
Bandwidth	50Hz to 8MHz
Transmission Distance (Cat5 UTP)	Colour—650m. B&W—750m.
Insertion Loss	Less than 2dB per pair from DC to 8Mhz
Return Loss	Greater than 15dB from DC to 8Mhz
Common Mode Rejection	Greater than 40dB at 8Mhz
Signal Voltage	0.5 to 1.5V RMS
Materials	Case - ABS UL 94V-0
Weight	<0.1Kg
Warranty	10 Years, Parts and Labour
MTBF	Estimated 30 Years
Operating Temperature	0° to 50° C
Power Requirements	None
Harmonisation Code	8544 - 42 - 10



Power

UK Power Distribution Unit, suitable for use in a 19" data cabinet.

- 16 Amps total load.

 - Supplied with 3mtrs flex to 13A UK fuse plug top.
 - Red Neon Indicated Double Pole Switch.
 - Alternative plugs available
- Dimensions

 - 480.5mm (with ears)
 - 460.5mm (without ears)

UK 19" Horizontal Rack Mount	Description	Stock Code
	4 Way	820-X194
	5 Way	820-X195
	6 Way	820-X196
	8 Way	820-X198

UK Neon Indicated 19" Horizontal Rack Mount	Description	Stock Code
	4 Way	820-X194N
	5 Way	820-X195N
	6 Way	820-X196N
	8 Way	820-X198N

UK Switched 19" Horizontal Rack Mount	Description	Stock Code
	4 Way	820-X194S
	5 Way	820-X195S
	6 Way	820-X196S
	8 Way	820-X198S

IEC Power Distribution Unit, suitable for use in a 19" data cabinet.

- 16 Amps total load.
- Supplied with 3mtrs flex to 13A UK fuse plug top.
 - Red Neon Indicated Double Pole Switch.
 - Alternative plugs available

Dimensions
 - 480.5mm (with ears)
 - 460.5mm (without ears)

IEC C13 19" Horizontal Rack Mount	Description	Stock Code
	4 Way	820-X194E
	8 Way	820-X198E
	12 Way	820-X1912E
	16 Way	820-X1916E

IEC C13 Neon Indicated 19" Horizontal Rack Mount	Description	Stock Code
	4 Way	820-X194EN
	8 Way	820-X198EN
	12 Way	820-X1912EN
	16 Way	820-X1916EN

IEC C13 Switched 19" Horizontal Rack Mount	Description	Stock Code
	4 Way	820-X194ES
	8 Way	820-X198ES
	12 Way	820-X1912ES
	16 Way	820-X1916ES

IEC Power Distribution Unit, suitable for use in a 19" data cabinet.

- 16 Amps total load.

- Supplied with 3mtrs flex to 13A UK fuse plug top.

- Red Neon Indicated Double Pole Switch.

- Alternative plugs available
- Dimensions

-480.5mm (with ears)

-460.5mm (without ears)

IEC C19 19" Horizontal Rack Mount	Description	Stock Code
	4 Way	820-X194C19
	5 Way	820-X195C19
	6 Way	820-X196C19
	8 Way	820-X198C19

IEC C19 Neon Indicated19" Horizontal Rack Mount	Description	Stock Code
	4 Way	820-X194C19N
	5 Way	820-X195C19N
	6 Way	820-X196C19N
	8 Way	820-X198C19N

IEC C19 Switched 19" Horizontal Rack Mount	Description	Stock Code
	4 Way	820-X194C19S
	5 Way	820-X195C19S
	6 Way	820-X196C19S
	8 Way	820-X198C19S

Combined UK/IEC Power Distribution Unit, suitable for use in a 19" data cabinet.

16 Amps total load.

- Supplied with 3mtrs flex to 13A UK fuse plug top.
- Red Neon Indicated Double Pole Switch.
- Alternative plugs available

Dimensions

- 480.5mm (with ears)
- 460.5mm (without ears)

UK / IEC Combination 19" Horizontal Rack Mount



Description	Stock Code
4 x C13/ 4 x C19/ 2 x UK	820-X19C1
4 x C13/ 2 x C19/ 4 x UK	820-X19C2
8 x C13/ 3 x C19	820-X19C3
4 x C13/ 6 x UK	820-X19C4

UK / IEC Neon Indicated Combination 19" Horizontal Rack Mount



Description	Stock Code
4 x C13/ 4 x C19/ 2 x UK neon	820-X19C1N
4 x C13/ 2 x C19/ 4 x UK neon	820-X19C2N
8 x C13/ 3 x C19 neon	820-X19C3N
4 x C13/ 6 x UK neon	820-X19C4N

UK / IEC Switched Combination 19" Horizontal Rack Mount



Description	Stock Code
4 x C13/ 4 x C19/ 2 x UK switch	820-X19C1S
4 x C13/ 2 x C19/ 4 x UK switch	820-X19C2S
8 x C13/ 3 x C19 switch	820-X19C3S
4 x C13/ 5 x UK switch	820-X19C4S

Horizontal UK PDUs

Power Distribution Units (PDUs) are units which are mounted into a data/server cabinet, to provide power for the housed equipment. Our horizontal PDUs are 1.5U in height, and are built using a tough aluminium extrusion. All PDUs have a 3m power lead with 13A UK plug as standard, with other options available. A switch cover and shrouded switch prevent the PDU from being accidentally turned on/off.

Picture shows 6 way horizontal UK PDU

- 3-metre 1.5mm lead
- Tough 1.5U aluminium extrusion
- Shrouded switch with switch cover
- C14, C20, or 16A commando options
- Horizontal UK 13A BS1363 'type G' outlets



Horizontal UK PDUs are preferred by many due to the fact that it is commonplace for equipment to be fitted with a UK plug. Horizontal UK PDUs allow users to power essential equipment from one easy location in the rack.

The cable exits the unit at the rear, making mounting of the PDU easier, whilst taking up only 1.5U of vital rack space



The cable on the horizontal PDUs exits from the rear of the unit, allowing easier mounting of the PDU.



The shrouded switch of the PDU is protected by a switch cover, preventing accidental switching off of the PDU.



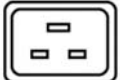
Various plug options are available, including C14, C20, 16A commando, and 32A commando plugs.

Description	Stock Code
4-way UK power with switch to 3-metre lead to 13A plug	820-PDU4H
4-way UK filtered power with switch to 3-metre lead to 13A plug	820-PDU4HF
5-way UK power with switch to 3-metre lead to 13A plug	820-PDU5H
5-way UK filtered power with switch to 3-metre lead to 13A plug	820-PDU5HF
6-way UK power with switch to 3-metre lead to 13A plug	820-PDU6H
6-way UK filtered power with switch to 3-metre lead to 13A plug	820-PDU6HF

Specifications

Weight of PDU	1.1kg – 1.15kg
Net length of PDU	490mm
Net width of PDU	60mm
Net depth of PDU	45mm
Shipping length of PDU	520mm
Shipping Width of PDU	132mm
Shipping Depth of PDU	75mm
Shipping Weight of PDU	1.3kg – 1.35kg
PDU max power	3250W
Output rating	13A
Overall rating	16A
Input Frequency	50/60Hz
Acceptable Input Voltage	250VAC

PDU Options

	IEC C14 plug IEC 60320(320)
	IEC C20 plug IEC 60320(320)
	16A commando plug IEC 60309(309)

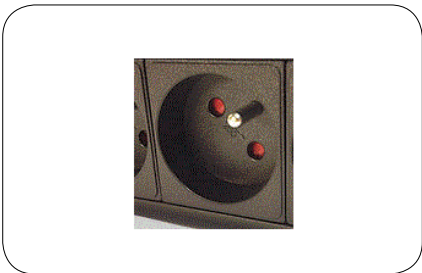
Schuko and French Socket PDUs

Picture shows
8 way horizontal French PDU (Top)
8 way horizontal Schuko PDU (Bottom)

- Horizontal 1.5U and vertical option
- French / Benelux type E sockets
- German Schuko type F sockets
- Shrouded switch with switch cover
- 3-metre 1.5mm lead to universal Schuko plug (French and German as above)

Multinational business often means repeated IT infrastructure in different overseas locations, and so socket types other than standard UK or IEC sockets are often used.

Standard and custom Schuko or French socket PDU's in vertical or horizontal styles in various plug options are available on request.



The German schuko socket is earthed from the side, whereas the French socket has an integrated earth pin.



The PDUs are fitted with double pole switches, which are both shrouded and protected by a switch cover.



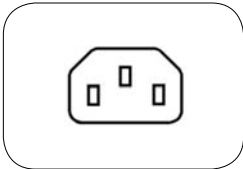
Overseas PDUs are fitted with CEE7/7 plugs as standard, which can be used with both French and German sockets interchangeably.

Description	Stock Code
Horizontal 8-way Schuko PDU with Universal Schuko Plug	820-PDU8HS
Horizontal 8-way French PDU with Universal Schuko Plug	820-PDU8HF
Vertical 12-way Schuko PDU with Universal Schuko Plug	820-PDU12VS
Vertical 12-way French PDU with Universal Schuko Plug	820-PDU12VF

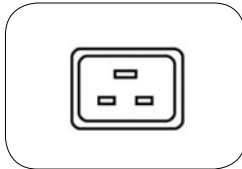
Specifications

Weight of PDU	1.1kg – 1.15kg
Net length of PDU	490mm
Net width of PDU	60mm
Net depth of PDU	45mm
Shipping length of PDU	520mm
Shipping Width of PDU	132mm
Shipping Depth of PDU	75mm
Shipping Weight of PDU	1.3kg – 1.35kg
PDU max power	3250W
Output rating	13A
Overall rating	16A
Input Frequency	50/60Hz
Acceptable Input Voltage	250VAC

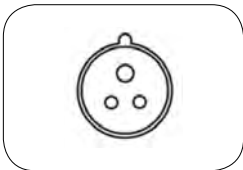
PDU Options



IEC C14 plug
IEC 60320(320)



IEC C20 plug
IEC 60320(320)



16A commando plug
IEC 60309(309)



13A Plug
BS1363

UK Plug to IEC Female

Length	Stock Code
1m	318-DL1S
2m	318-DL2S
3m	318-DL3S

UK IEC Male to IEC Female

Length	Stock Code
1m	318-DL1
2m	318-DL2
3m	318-DL3

Figure 8 (C7) to UK Plug Black

Length	Stock Code
0.5m	318-C708-078/0.5
1m	318-C708-078/1
2m	318-C708-078/2
3m	318-C708-078/3
5m	318-C708-078/5
10m	318-C708-078/10

Cloverleaf (C5) to UK Plug Black

Length	Stock Code
0.5m	318-C508-078/0.5
1m	318-C508-078/1
2m	318-C508-078/2
3m	318-C508-078/3
5m	318-C508-078/5
10m	318-C508-078/10

Commando Plug 16Amp to IEC C19 Socket

Length	Stock Code
2m	318-E423020
3m	318-E423030
5m	318-E423050
10m	318-E423100

Earth bars are an efficient and convenient way of providing a common earth point. Earth bars are supplied with a powder coated base as standard.

Standard Earth Bar	Description	Dimensions (mm)	Stock Code
	6 Way	300 x 100 x 90	420-EBAR6
	8 Way	450 x 100 x 90	420-EBAR8
	10 Way	450 x 100 x 90	420-EBAR10
	12 Way	520 x 100 x 90	420-EBAR12
	14 Way	650 x 100 x 90	420-EBAR14
	16 Way	650 x 100 x 90	420-EBAR16
	18 Way	800 x 100 x 90	420-EBAR18
	20 Way	800 x 100 x 90	420-EBAR20
	22 Way	900 x 100 x 90	420-EBAR22
	24 Way	1050 x 100 x 90	420-EBAR24
	26 Way	1050 x 100 x 90	420-EBAR26
	28 Way	1250 x 100 x 90	420-EBAR28
	30 Way	1250 x 100 x 90	420-EBAR30
	The standard connections are M10. Other sizes are available upon request.		

Standard - Tinned Earth Bar	Description	Dimensions (mm)	Stock Code
	6 Way	300 x 100 x 90	420-EBAR6/T
	8 Way	450 x 100 x 90	420-EBAR8/T
	10 Way	450 x 100 x 90	420-EBAR10/T
	12 Way	520 x 100 x 90	420-EBAR12/T
	14 Way	650 x 100 x 90	420-EBAR14/T
	16 Way	650 x 100 x 90	420-EBAR16/T
	18 Way	800 x 100 x 90	420-EBAR18/T
	20 Way	800 x 100 x 90	420-EBAR20/T
	22 Way	900 x 100 x 90	420-EBAR22/T
	24 Way	1050 x 100 x 90	420-EBAR24/T
	26 Way	1050 x 100 x 90	420-EBAR26/T
	28 Way	1250 x 100 x 90	420-EBAR28/T
	30 Way	1250 x 100 x 90	420-EBAR30/T
	The standard connections are M10. Other sizes are available upon request.		

Earth Bars

The single disconnecting link is mainly used to offer a temporary break in the connection to the earth allowing the inspection and testing of multiple earth rods / systems while disconnected from the lightning and earth system.

Earth bars are supplied with a powder coated base as standard

Earth Bar c/w Single Disconnecting Link



Description	Dimensions (mm)	Stock Code
6 Way	475 x 100 x 90	420-EBAR6-1
8 Way	575 x 100 x 90	420-EBAR8-1
10 Way	725 x 100 x 90	420-EBAR10-1
12 Way	825 x 100 x 90	420-EBAR12-1
14 Way	925 x 100 x 90	420-EBAR14-1
16 Way	1025 x 100 x 90	420-EBAR16-1
18 Way	1125 x 100 x 90	420-EBAR18-1
20 Way	1275 x 100 x 90	420-EBAR20-1
22 Way	1375 x 100 x 90	420-EBAR22-1
24 Way	1475 x 100 x 90	420-EBAR24-1
26 Way	1575 x 100 x 90	420-EBAR26-1
28 Way	1725 x 100 x 90	420-EBAR28-1
30 Way	1825 x 100 x 90	420-EBAR30-1

The standard connections are M10. Other sizes are available upon request.

Earth Bar - Tinned c/w Single Disconnecting Link



Description	Dimensions (mm)	Stock Code
6 Way	475 x 100 x 90	420-EBAR6-1/T
8 Way	575 x 100 x 90	420-EBAR8-1/T
10 Way	725 x 100 x 90	420-EBAR10-1/T
12 Way	825 x 100 x 90	420-EBAR12-1/T
14 Way	925 x 100 x 90	420-EBAR14-1/T
16 Way	1025 x 100 x 90	420-EBAR16-1/T
18 Way	1125 x 100 x 90	420-EBAR18-1/T
20 Way	1275 x 100 x 90	420-EBAR20-1/T
22 Way	1375 x 100 x 90	420-EBAR22-1/T
24 Way	1475 x 100 x 90	420-EBAR24-1/T
26 Way	1575 x 100 x 90	420-EBAR26-1/T
28 Way	1725 x 100 x 90	420-EBAR28-1/T
30 Way	1825 x 100 x 90	420-EBAR30-1/T

The standard connections are M10. Other sizes are available upon request.

The twin disconnecting link is mainly used to offer a temporary break in the connection to the earth allowing the inspection and testing of multiple earth rods / systems while disconnected from the lightning and earth system.

Earth bars are supplied with a powder coated base as standard.

Earth Bar c/w Twin Disconnecting Link



Description	Dimensions (mm)	Stock Code
6 Way	550 x 100 x 90	420-EBAR6-2
8 Way	650 x 100 x 90	420-EBAR8-2
10 Way	800 x 100 x 90	420-EBAR10-2
12 Way	900 x 100 x 90	420-EBAR12-2
14 Way	1000 x 100 x 90	420-EBAR14-2
16 Way	1100 x 100 x 90	420-EBAR16-2
18 Way	1200 x 100 x 90	420-EBAR18-2
20 Way	1350 x 100 x 90	420-EBAR20-2
22 Way	1450 x 100 x 90	420-EBAR22-2
24 Way	1550 x 100 x 90	420-EBAR24-2
26 Way	1650 x 100 x 90	420-EBAR26-2
28 Way	1800 x 100 x 90	420-EBAR28-2
30 Way	1900 x 100 x 90	420-EBAR30-2

The standard connections are M10. Other sizes are available upon request.

Earth Bar - Tinned c/w Twin Disconnecting Link

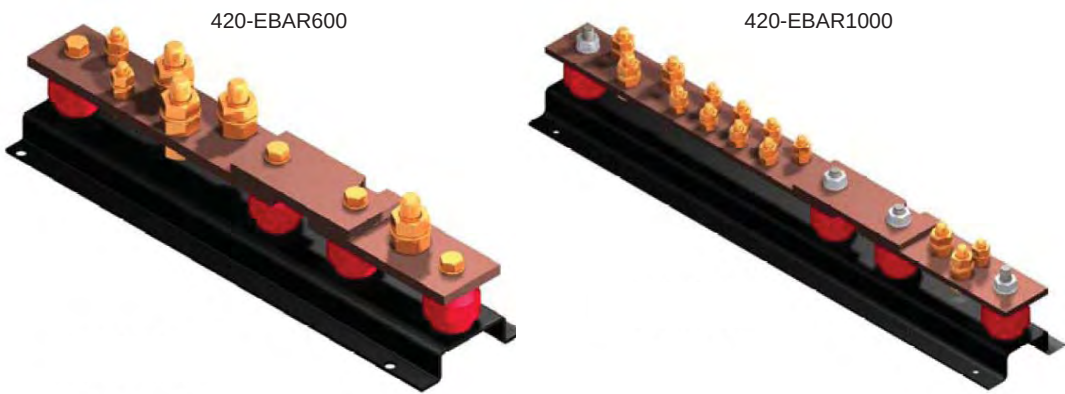


Description	Dimensions (mm)	Stock Code
6 Way	550 x 100 x 90	420-EBAR6-2/T
8 Way	650 x 100 x 90	420-EBAR8-2/T
10 Way	800 x 100 x 90	420-EBAR10-2/T
12 Way	900 x 100 x 90	420-EBAR12-2/T
14 Way	1000 x 100 x 90	420-EBAR14-2/T
16 Way	1100 x 100 x 90	420-EBAR16-2/T
18 Way	1200 x 100 x 90	420-EBAR18-2/T
20 Way	1350 x 100 x 90	420-EBAR20-2/T
22 Way	1450 x 100 x 90	420-EBAR22-2/T
24 Way	1550 x 100 x 90	420-EBAR24-2/T
26 Way	1650 x 100 x 90	420-EBAR26-2/T
28 Way	1800 x 100 x 90	420-EBAR28-2/T
30 Way	1900 x 100 x 90	420-EBAR30-2/T

The standard connections are M10. Other sizes are available upon request.

Earth Bars - Copper & Tinned 600AMP & 1000 AMP				
Description	Dimensions (mm)	Connections	Weight (kg)	Stock Code
600amp	285 x 70 x 80	2 x M06, 4 x M10	1.30	420-EBAR600
1000amp	520 x 90 x 90	9 x M08, 5 x M12	3.24	420-EBAR1000
600amp Tinned	285 x 70 x 80	2 x M06, 4 x M10	1.30	420-EBAR600/T
1000amp Tinned	520 x 90 x 90	9 x M08, 5 x M12	3.24	420-EBAR1000/T

Earth bars are supplied with a powder coated base as standard.



INSULATOR STAND OFF TYPE C/W 2 STUDS & 3 NUTS	
Size (mm)	M10 x 35
Stock Code	420-INSU1



INSULATOR STAND OFF TYPE	
Size (mm)	M10 x 35
Stock Code	420-INSU2



INSULATOR STAND OFF TYPE	
Size (mm)	M06 x 25
Stock Code	420-INSU3



INSULATOR STAND OFF TYPE	
Size (mm)	M10 x 51
Stock Code	420-INSU4



Electrical	
Dielectric Strength:	>14 Kv/mm
Resistance (normal):	>10 M Ohms
Resistance (bolted):	>10 M Ohms
Arc resistance:	>600

Inserts		
Brass	M06	9Nm Torque
	M08	18Nm Torque
	M10	35Nm Torque

6491X Cable

Application

6491X Cable H07V-R/H07V-U to BS6004 is suitable for power and lighting circuits and building wiring.

The cable is intended for use in semi-flush exposed conduits and embedded conduits as well as in closed installation ducts, and is ideal for the internal wiring of appliances and apparatus.



Standards

BS6004, BASEC approved*

Technical Data

Conductor

H07V-R: Class 2 stranded plain copper conductors to BS EN 60228:2005 (previously BS6360)

H07V-U: Class 1 solid plain copper conductor to BS EN 60228:2005 (previously BS6360)

Insulation

PVC (Polyvinyl Chloride) Type T11 to BS7655

Insulation Colour

Red, Black, Blue, Yellow, Brown, White, Green/Yellow, Grey

Voltage Rating

450/750V

Temperature Rating

0°C to +70°C

Minimum Bending Radius

Up to 10mm²: 3 x overall diameter
10mm² to 25mm²: 4 x overall diameter
Above 25mm²: 5 x overall diameter

Note

*Sizes up to and including 150mm² are BASEC approved.
For sizes 185mm² and above please call for more information

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL THICKNESS OF INSULATION mm	MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km	Stock Code
1	1.5	0.7	3.3	22	105-A2X*0015
1	2.5	0.8	3.9	32	105-A2X*0025
1	4.0	0.8	4.6	50	105-A2X*004
1	6.0	0.8	5.2	71	105-A2X*006
1	10.0	1.0	6.7	120	105-A2X*010
1	16.0	1.0	7.8	180	105-A2X*016
1	25.0	1.2	9.7	280	105-A2X*025
1	35.0	1.2	10.9	380	105-A2X*035
1	50.0	1.4	12.8	510	105-A2X*050
1	70.0	1.4	14.6	710	105-A2X*070
1	95.0	1.6	17.1	970	105-A2X*095
1	120.0	1.6	18.8	1200	105-A2X*0120
1	150.0	1.8	20.9	1480	105-A2X*0150
1	185.0	2.0	23.3	1900	105-A2X*0185
1	240.0	2.2	26.6	2480	105-A2X*0240
1	300.0	2.4	29.6	3100	105-A2X*0300

Stock Code shown above designate the sheath colour (). For each colour substitute * for a colour code as listed below. e.g. 105-A2XRD004 = 4mm² Red

COLOUR	Black	Blue	Grey	Green/Yellow	Red	Yellow	Brown	White
CODE	BK	BL	GR	GY	RD	YW	BR	WH

H07RN-F Cable

Application

These cables are designed to provide high flexibility and have the capacity to withstand weather, oils/greases, mechanical and thermal stresses.

Applications include handling equipment, mobile power supplies, worksites, stage and audio visual equipment, port areas and dams. Also for use in drainage and water treatment, cold environments and severe industrial environments.



Standards

BS7919, CENELEC HD22.4 S4

Technical Data

Conductor

Class 5 fl exible plain copper
to BS EN 60228:2005 (previously BS6360)

Insulation

EPR (Ethylene Propylene Rubber) Type EI4 to BS7655

Sheath

PCP (Polychloroprene) Type EM2
to BS7655

Sheath Colour

Black

RoHS Compliant

Yes

Voltage Rating

450/750V

Temperature Rating

Conductor operating temperature
-30°C to +60°C (85°C max)

Minimum Bending Radius

Up to 25mm2: 6 x overall diameter
Above 25mm2: 8 x overall diameter

Core Identification

2 Cores: Blue, Brown
3 Cores: Green/Yellow, Blue, Brown
4 Cores: Green/Yellow, Brown, Black, Grey
5 Cores: Green/Yellow, Blue, Brown, Black, Grey
6 Cores and above: Black with White numerals, Green/Yellow

No. of Cores x Nominal Cross Sectional Area mm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/Km	FCGA2 Gland (Brass)	FCGA2PL Gland (Plastic)	Stock Code
H07RN-F Cable - 1 Core						
1 x 1.5	0.8	5.9	50	20/16	20S	105- A6G10015
1 x 2.5	0.9	6.6	65	20/16	20S	105- A6G10025
1 x 4.0	1.0	7.8	115	20/16	20	105- A6G1004
1 x 6.0	1.0	9.0	142	20S	20	105- A6G1006
1 x 10.0	1.2	10.8	219	20S	20	105- A6G1010
1 x 16.0	1.2	12.1	302	20	20L	105- A6G1016
1 x 25.0	1.4	14.1	436	25	25	105- A6G1025
1 x 35.0	1.4	15.9	567	25	25	105- A6G1035
1 x 50.0	1.6	18.5	790	25	32	105- A6G1050
1 x 70.0	1.6	21.0	1050	32	32	105- A6G1070
1 x 95.0	1.8	23.9	1350	32	32	105- A6G1095
1 x 120.0	1.8	25.8	1650	32	40	105- A6G1120
1 x 150.0	2.0	28.6	2050	40	40	105- A6G1150
1 x 185.0	2.2	31.5	2450	40	40	105- A6G1185
1 x 240.0	2.4	35.1	3200	50S	50	105- A6G1240
1 x 300.0	2.6	38.7	3900	50	-	105- A6G1300
1 x 400.0	2.8	43.5	5000	50	-	105- A6G1400
1 x 500.0	3.0	47.5	6200	63S	-	105- A6G1500
1 x 630.0	3.0	51.5	7650	63	-	105- A6G1630

Continued >

H07RN-F Cable

No. of Cores x Nominal Cross Sectional Area mm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/Km	FCGA2 Gland (Brass)	FCGA2PL Gland (Plastic)	Stock Code
H07RN-F Cable - 2 Core						
2 x 1.0	0.80	8.6	95	20S	20	105-A5G02010
2 x 1.5	0.80	9.6	115	20S	20	105-A5G02015
2 x 2.5	0.90	11.2	140	20S	20	105-A5G02025
2 x 4.0	1.00	13.2	302	20	20L	105-A5G02040
2 x 6.0	1.00	15.6	400	25	25	105-A5G02060
2 x 10.0	1.20	20.6	750	32	32	105-A5G0210
2 x 16.0	1.20	23.3	990	32	32	105-A5G0216
2 x 25.0	1.40	27.4	1400	40	40	105-A5G0225

H07RN-F Cable - 3 Core						
3 x 1.0	0.8	9.3	115	20S	20	105-A5G03010
3 x 1.5	0.8	10.3	140	20S	20	105-A5G03015
3 x 2.5	0.9	12.0	200	20	20	105-A5G03025
3 x 4.0	1.0	14.1	360	25	25	105-A5G03040
3 x 6.0	1.0	16.6	490	25	25	105-A5G03060
3 x 10.0	1.2	22.1	900	32	32	105-A5G0310
3 x 16.0	1.2	24.8	1200	32	32	105-A5G0316
3 x 25.0	1.4	29.3	1700	40	40	105-A5G0325
3 x 35.0	1.4	32.9	2200	50S	50	105-A5G0335
3 x 50.0	1.6	38.5	3100	50	-	105-A5G0350
3 x 70.0	1.6	43.6	4130	63S	-	105-A5G0370
3 x 95.0	1.8	50.0	5300	63	-	105-A5G0395
3 x 120.0	1.8	53.9	6700	63	-	105-A5G03120
3 x 150.0	2.0	59.9	8000	75S	-	105-A5G03150
3 x 185.0	2.2	65.9	9700	75	-	105-A5G03185
3 x 240.0	2.4	74.7	12400	90	-	105-A5G03240
3 x 300.0	2.6	83.2	15300	-	-	105-A5G03300

H07RN-F Cable - 4 Core						
4 x 1.0	0.8	10.3	140	20S	20	105-A5G04010
4 x 1.5	0.8	11.4	170	20S	20	105-A5G04015
4 x 2.5	0.9	13.2	245	20	20L	105-A5G04025
4 x 4.0	1.0	15.5	460	25	25	105-A5G04040
4 x 6.0	1.0	18.5	610	25	32	105-A5G04060
4 x 10.0	1.2	24.1	1100	32	32	105-A5G0410
4 x 16.0	1.2	27.1	1500	40	40	105-A5G0416
4 x 25.0	1.4	32.5	2310	50S	50	105-A5G0425
4 x 35.0	1.4	36.5	2800	50S	50	105-A5G0435
4 x 50.0	1.6	42.6	3910	50	-	105-A5G0450
4 x 70.0	1.6	48.6	5200	63	-	105-A5G0470
4 x 95.0	1.8	56.0	6810	75S	-	105-A5G0495
4 x 120.0	1.8	59.9	8200	75S	-	105-A5G04120
4 x 150.0	2.0	66.8	10200	75	-	105-A5G04150
4 x 185.0	2.2	73.5	12300	90	-	105-A5G04185
4 x 240.0	2.4	83.5	15900	-	-	105-A5G04240
4 x 300.0	2.6	92.8	19600	-	-	105-A5G04300

H07RN-F Cable - 5 Core						
5 x 1.5	0.8	12.5	210	20	20L	105-A5G05015
5 x 2.5	0.9	14.5	305	25	25	105-A5G05025
5 x 4.0	1.0	17.2	560	25	25	105-A5G05040
5 x 6.0	1.0	20.5	750	32	32	105-A5G05060
5 x 10.0	1.2	26.5	1300	40	40	105-A5G0510
5 x 16.0	1.2	30.1	1800	40	40	105-A5G0516
5 x 25.0	1.4	36.1	2600	50S	50	105-A5G0525
5 x 35.0	1.4	40.5	3590	50	-	105-A5G0535*
5 x 50.0	1.6	47.3	4550	63S	-	105-A5G0550*

* Generally to BS7919

Continued >

H07RN-F Cable

No. of Cores x Nominal Cross Sectional Area mm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/Km	FCGA2 Gland (Brass)	FCGA2PL Gland (Plastic)	Stock Code
H07RN-F Cable - 7 Core						
7 x 1.5	0.8	16.5	335	25	25	105-A5G07015*
7 x 2.5	0.9	18.5	475	25	32	105-A5G07025*
7 x 4.0	1.0	21.6	770	32	32	105-A5G07040*
7 x 6.0	1.0	25.7	1090	32	40	105-A5G07060*
7 x 10.0	1.2	31.6	1710	40	40	105-A5G0710*
7 x 16.0	1.2	35.7	2330	50S	50	105-A5G0716*
7 x 25.0	1.4	43.2	3560	50	-	105-A5G0725*
H07RN-F Cable - 8 Core						
8 x 1.5	0.8	17.7	385	25	25	105-A5G08015*
8 x 2.5	0.9	20.3	560	32	32	105-A5G08025*
8 x 4.0	1.0	23.5	900	32	32	105-A5G08040*
H07RN-F Cable - 12 Core						
12 x 1.5	0.8	19.5	495	25	32	105-A5G1215
12 x 2.5	0.9	22.5	710	32	32	105-A5G1225
12 x 4.0	1.0	26.2	1180	32	40	105-A5G12040
H07RN-F Cable - 18 Core						
18 x 1.5	0.8	23.0	700	32	32	105-A5G18015
18 x 2.5	0.9	26.6	1020	40	40	105-A5G18025
18 x 4.0	1.0	31.0	1690	40	40	105-A5G18040
H07RN-F Cable - 21 Core						
21 x 1.5	0.8	25.5	885	32	40	105-A5G21015*
21 x 2.5	0.9	29.7	1290	40	40	105-A5G21025*
H07RN-F Cable - 27 Core						
27 x 1.5	0.8	27.5	1090	40	40	105-A5G27015*
27 x 2.5	0.9	32.1	1590	50S	50	105-A5G27025*
H07RN-F Cable - 37 Core						
37 x 1.5	0.8	31.0	1300	40	50	105-A5G37015*
37 x 2.5	0.9	38.7	2320	50	-	105-A5G37025*
H07RN-F Cable - 42 Core						
42 x 1.5	0.8	34.8	1660	50S	-	105-A5G42015*
42 x 2.5	0.9	40.6	2430	50	-	105-A5G42025*

* Generally to BS7919



Tri-rated - H05V2-K / H07V2K Cable

Application

High temperature, flame retardant cable designed for use in the switch control, relay and instrumentation panels of power switchgear and for purposes such as internal connectors in rectifier equipment, motor starters and controllers.

Tri-rated cable is sometimes referred to as BS 6231 cable, H07V2-K or panel wire.



Standards

BS EN 50525-2-31* BS 6231 Type CK, UL Subj.758, CSA C22.2 No. 210 (HD 21.7 S2), BS EN/IEC 60332, RoHS

Technical Data

UL Style Number
1015

Conductor
Class 5 flexible copper conductor according to BS EN 60228 (previously BS 6360)

Insulation
PVC (Polyvinyl Chloride) Type T13 according to BS EN 50363

Voltage Rating (Uo/U)
UL, CSA: 450/750V
BS 6231: 600/1000V
BS EN 50525-2-31: 300/500V, 450/750V

Temperature Rating
UL, CSA: +105°C
BS 6231: +90°C

Minimum Bending Radius
6 x overall diameter

Sheath Colour
Red, Black, Blue, Light Blue, Dark Blue, Yellow, Green/Yellow, Grey, Brown, Orange, White, Violet, Green, Pink.

Note
*BS EN 50525-2-31 covers harmonised conductor sizes up to 35mm², cables above this size are generally to the specification.

Where it is intended to connect cables contained within this datasheet to equipment or accessories confirmation should be obtained to ensure that they are capable of withstanding the operating temperature of the cable.

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	APPROXIMATE AWG	NOMINAL THICKNESS OF INSULATION mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km	Stock Code
1	0.5	21	0.8	2.7	11	105-A2T*0005
1	0.75	19	0.8	2.85	15	105-A2T*00075
1	1	18	0.8	3	18	105-A2T*0010
1	1.5	16	0.8	3.3	23	105-A2T*0015
1	2.5	14	0.8	3.75	35	105-A2T*0025
1	4	12	0.8	4.35	48	105-A2T*0040
1	6	10	0.8	4.85	69	105-A2T*0060
1	10	8	1	6.3	117	105-A2T*010
1	16	6	1	8.1	191	105-A2T*016
1	25	4	1.2	9.4	281	105-A2T*025
1	35	2	1.2	10.9	389	105-A2T*035
1	50	1	1.4	13.1	560	105-A2T*050
1	70	2/0	1.6	15.1	774	105-A2T*070
1	95	3/0	1.6	16.1	991	105-A2T*095
1	120	4/0	1.6	17.9	1231	105-A2T*120
1	150	250 MCM	1.8	20.2	1534	105-A2T*150
1	185	350 MCM	2	22.85	1878	105-A2T*185
1	240	450 MCM	2.2	24.4	2381	105-A2T*240

Stock Code shown above designate the sheath colour (). For each colour substitute * for a colour code as listed below. e.g. 105-A2TRD0040 = 4mm² Red

COLOUR	Black	Green	Blue	Light Blue	Dark Blue	Grey	Green/Yellow	Orange	Red	Pink	Yellow	Violet	Brown	White
CODE	BK	GN	BL	LTBL	DKBL	GR	GY	OR	RD	PK	YW	VI	BR	WH

6381Y PVC Cable

6381Y PVC Cable

Application

Suitable for AC and DC power supplies on telecom equipment and power applications where flexibility is required.



Standards

1.5mm² to 35mm²: generally to BS 6004, 50mm² and above: BS EN/IEC 60502-1, BS EN/IEC 60332-1-2

Technical Data

Conductor

Class 5 flexible copper conductor to BS EN 60228 (previously BS 6360)

Voltage Rating (U_o/U)

1.5mm² to 35mm²: 450/750V
50mm² and above: 600/1000V

Insulation

PVC (Polyvinyl Chloride) Type TI1 according to BS 7655

Temperature Rating

Flexed: -15°C to +70°C

Sheath

PVC (Polyvinyl Chloride) Type 6 according to BS 7655

Minimum Bending Radius

Up to 50mm²: 3 x overall diameter
Above 70mm²: 4 x overall diameter

Sheath Colour (Insulation Colour)

Blue (Blue), Grey (Grey), Green/Yellow (Green/Yellow).
Special colours to order

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL THICKNESS OF INSULATION mm	NOMINAL THICKNESS OF SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km	Stock Code
1	1.5	0.9	0.8	4.91	38	105-A1FY*0015
1	2.5	0.9	0.8	5.35	49	105-A1FY*0025
1	4	1	0.9	6.25	71	105-A1FY*004
1	6	1.1	0.9	7.6	101	105-A1FY*006
1	10	1.2	1.1	8.56	152	105-A1FY*010
1	16	1.2	1.1	9.75	215	105-A1FY*016
1	25	1.4	1.1	11.5	307	105-A1FY*025
1	35	1.4	1.1	12.5	405	105-A1FY*035
1	50	1.4	1.4	15.1	580	105-A1FY*050
1	70	1.4	1.4	16.95	769	105-A1FY*070
1	95	1.6	1.5	19.1	1008	105-A1FY*095
1	120	1.6	1.8	21.6	1282	105-A1FY*120
1	150	1.8	1.8	23.4	1571	105-A1FY*150
1	185	2	1.8	25.5	1895	105-A1FY*185
1	240	2.2	1.8	28.5	2435	105-A1FY*240
1	300	2.4	2.0	31.2	3050	105-A1FY*300
1	400	2.6	2.1	35.3	4035	105-A1FY*400

Stock Code shown above designate the sheath colour (). For each colour substitute * for a colour code as listed below.
e.g. 105-A1FYBL/BL0015 = 1.5mm² Blue (Blue)

COLOUR	Blue (Blue)	Grey (Grey)	Green/Yellow (Green/Yellow)
CODE	BL/BL	GR/GR	GY/GY

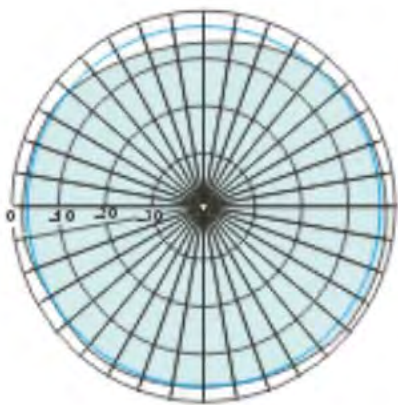


Antennas

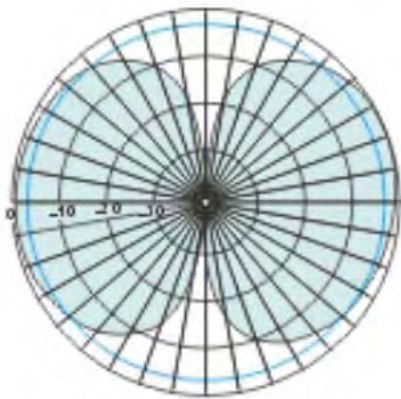


Omni Directional Ceiling Antenna
698-960/1710-2700MHz 2/5dBi

Stock Code	710-EHS1BA029A	
Electrical		
Frequency range (MHz)	698-806/806-960/1710-2700	
Polarization	Vertical	
Gain(dBi)	2/5	
Half-power beam width(°)	Hor:360	Ver:60/30
Un-roundness(dB)	±2	
Impedance(Ω)	50	
VSWR	≤1.8/≤1.4≤1.4	
Maximum input power(W)	100	
Lightning protection	DC Ground	
Mechanical		
Connector	N-female	
Connector position	Bottom	
Size (mm)	φ185×85	
Packing size(mm)	150×150×190	
Antenna weight(kg)	0.4	
Packing weight(kg)	0.45	
Wind loading area(m²)	≤0.2	
Rated wind velocity(m/s)	36.9	
Reflector material	Aluminium	
Radome material	ABS	
Radome color	White	
Operating temperature(°C)	-40 ~ 55	



H-Plane

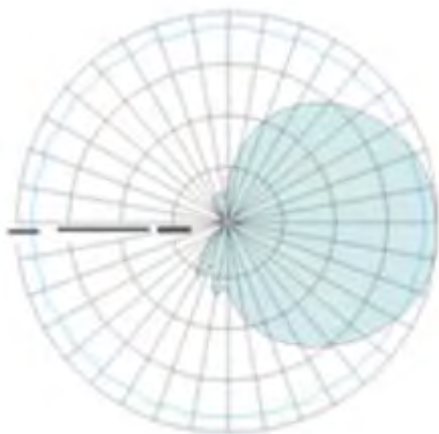


E-Plane

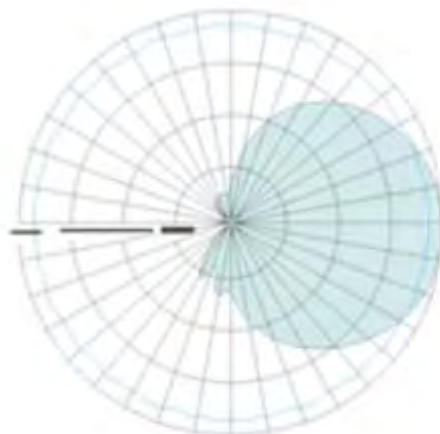


**Wall Mount Antenna
698-960/1710-2700MHz 7/8dBi**

Stock Code	710-EHS1BB011A	
Electrical		
Frequency range (MHz)	698-960/1710-2700	
Polarization	Vertical	
Gain(dBi)	7/8	
Half-power beam width(°)	Hor:72±15	Ver:70±10
Front-to-back ratio (db)	≥8	
Intermodulation IM3	≤-107dBm(2W)	
Impedance(Ω)	50	
VSWR	≤1.8/≤1.5	
Maximum input power(W)	50	
Lightning protection	DC Ground	
Mechanical		
Connector	N-female	
Connector position	With cable	
Size (mm)	207 x 177 x 45	
Packing size(mm)	260 x 190 x 50	
Antenna weight(kg)	0.35	
Packing weight(kg)	0.38	
Wind loading area(m²)	≤0.2	
Rated wind velocity(m/s)	36.9	
Reflector material	Aluminium	
Radome material	ABS	
Radome color	White	
Operating temperature(°C)	-40 ~ 55	



H-Plane



E-Plane



Tooling

Pliers 6A

Pliers 6A Frame Handle



Stock Code
901-0001-007

The PCC-5310 is a precision, ratchet crimp tool designed to provide consistent and reliable crimp connections on coaxial connectors.

Technical Data	
Part Code	PCC-5310/T1025
Length	200 mm / 7,87"
Height	164 mm / 6,46"
Weight	530 gr / 1,17 lbs
Connector	Coaxial

Case for 6A, 4 Dies, MH800 & 2 gauges

Stock Code
901-0111-008



Pliers 6A Die Sets



Description	Inner Hex (mm)	Outer Hex (mm)	BT Reference	Stock Code
6A Die Set	1.69	7.01	WF	901-0051-007
6A Die Set BT2002	1.46	5.18	VQ	901-0052-007
6A Die Set BT2003	1.46	6.81	VR	901-0053-007
6A Die Set RG179/RA8000	1.46	3.25	VB	901-0054-007
6A Die Set BT3002	1.46	4.52	VC	901-0055-007
6A Die Set	-	4.33	-	901-0056-007
6A Die Set	1.69	5.41	WD	901-0057-007
6A Die Set	1.69	4.52	WC	901-0059-007
6A Die Set	1.46	2.67	VA	901-0061-007
6A Die Set	1.69	3.25	WB	901-0062-006
6A Die Set	-	3.25	B	901-0064-007
6A Die Set	1.69	6.48	WE	901-0083-007
6A Die Set	2.57	10.90	-	901-0085-007
6A Die Set	1.69	8.23	WG	901-0087-007
6A Die Set	1.46	8.23	VG	901-0088-007
6A Die Set	1.69	2.67	WA	-

HX3 & HX4 Crimp Tool

M22520/10-01 HX3 Crimp Tool

Stock Code
901-0002-008

This open frame hand crimp tool is designed to feature a system of interchangeable dies which eliminates the need of separate fixed die crimp tools for each different application.

**Technical Data**

Part Code	M22520/10-01
Length	229mm / 9"
Width	20mm / 0.8"
Weight	312g / 0.69 lbs
Connector	Coaxial & Tri-axial



Description	Inner Hex (mm)	Outer Hex (mm)	Stock Code
X118 Die Set RG179	-	3.25	901-0076-008
X144 Die Set RG223	-	5.41	901-0079-008
X161 Die Set	1.46	4.57	901-0077-008
X163 Die Set	1.46	7.72	901-0078-008
X259 Die Set BT3002	-	4.52	901-0075-008
X260 Die Set BT2002	-	5.18	901-0072-008
X261 Die Set BT2003	-	6.81	901-0073-008

M22520/5-01 HX4 Crimp Tool

Stock Code
901-0003-008

This open frame hand crimp tool is designed to crimp various sizes and types of ferrules, coaxial connectors, contacts, splices, and terminal lugs to cables and wires.

**Technical Data**

Part Code	M22520/5-01
Length	279mm / 11"
Weight	595g / 1.31 lbs
Connector	Coaxial & Tri-axial

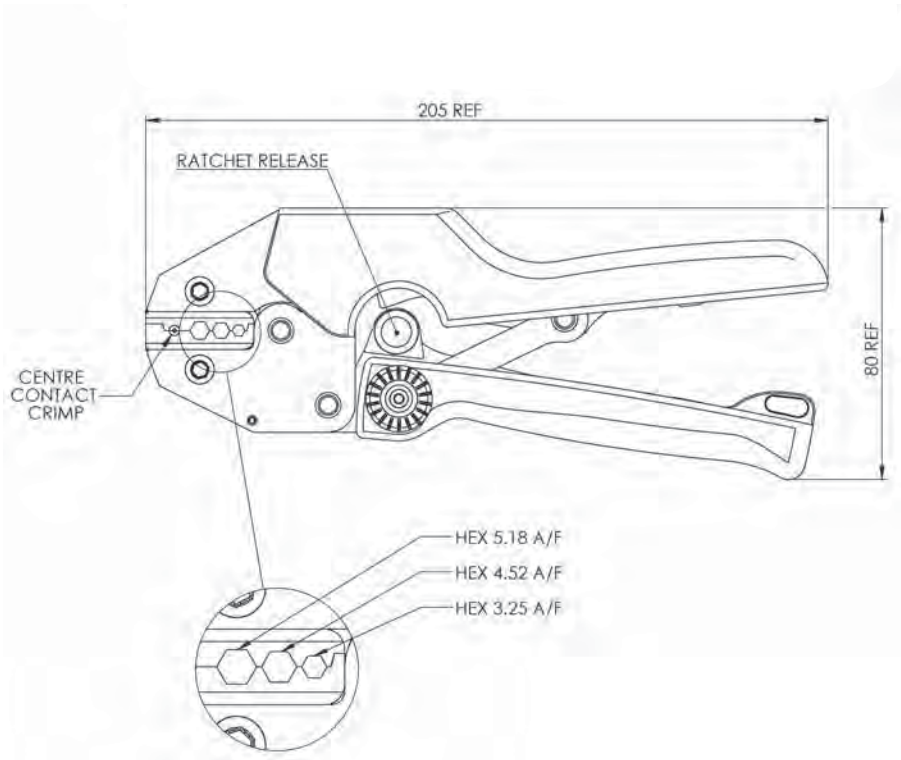


Description	Inner Hex (mm)	Outer Hex (mm)	Stock Code
Y1601 HX4 Die Set	⊕ 4.27	⊕ 6.50	901-0090-008
11W 150-403 HX4 Die Set	□ 0.73	⊕ 3.63	901-0091-008

Type 43 Crimp Tool
One Tool to Crimp All

Crimps centre contacts and crimp sleeves for all BT approved* Type 43 connectors.

Product Code: **901-HTS43**



Crimp Size A/F	Cable
HEX 5.18mm	BT2002, RA7000
HEX 4.52mm	BT3002
HEX 3.25mm	RG179, RA8000

*Interface, ITT, Radiall.

MH800(GB109)

Stock Code
901-0021-008

The MH800 (GB109) Pliers is an ultra precision crimp tool designed for Type 43, HDC43, UHDC43 & Type 54 inner coaxial



Technical Data	
Part Code	MH800 (GB109) - Pliers 19A
Length	190mm / 7.48"
Height	30mm / 1.18"
Weight	344.7g / 0.76 lbs
Connector	Coaxial

AFM8 (M22520/2-01)

Stock Code
901-0022-008

The M22520/2-01 is a miniature adjustable crimp tool designed for most of the miniature and sub-miniature connector types



Technical Data	
Part Code	M22520/2-01
Length	171mm / 6.75"
Height	110mm / 4.33"
Weight	425g / 0.94 lbs
Connector	Coaxial. Circular / Rectangular



Positioner	Stock Code
Positioner K1057/T4835 (1.0/2.3)	901-0305-008
Positioner K1166/T4831 (ITT 1.6/5.6)	901-0307-008
Positioner K1388/T4868 (ITT BNC)	901-0310-008
Positioner K1335/T4852 (1.0/2.3)	901-0312-008
Positioner K1247S (SMB)	901-0314-008
Positioner K1479 (BNC Jack)	901-0320-008
Positioner K970 (M4 Male)	901-0324-008
Positioner K998-1 (M4 Female)	901-0328-008

MH860

MH860

Description	Stock Code
M22520/7-01 MH860 Crimp Tool	901-0115-008

Developed to meet the demonstrated need for supporting the majority of electrical systems with one versatile crimp tool frame.

The MH860 accepts the entire middle wire range of 16 through 28 AWG, with positioners which adapt it to virtually all applications consistent with others in the MIL-DTL-22520 family.



Positioner	Stock Code
Positioner M22520/7-02	901-86-1S
Positioner M22520/7-03	901-86-2
Positioner M22520/7-04	901-86-3
Positioner M22520/7-05	901-86-4
Positioner M22520/7-06	901-86-5
Positioner M22520/7-07	901-86-6
Positioner M22520/7-08	901-86-7
Positioner M22520/7-09	901-86-11S
Positioner M22520/7-10	901-86-12S
Positioner M22520/7-11	901-86-19
Positioner M22520/7-12	901-86-20
Positioner M22520/7-13	901-86-21

AF8



Description	Stock Code
AF8 Crimp Tool M22520/1-01	901-0023-008
Turret M22520/1-02	901-TH1A
Turret M22520/1-03	901-TH4
Turret M22520/1-04	901-TH163
Adjustable Positioner M22520/1-05	901-UH2-5
Positioner M22520/1-06	901-TP45
Positioner M22520/1-07	901-TP85
Turret M22520/1-08	901-TH199S
Positioner M22520/1-09	901-TP360
Positioner M22520/1-10	901-TP365
Positioner M22520/1-11	901-TP465
Turret M22520/1-12	901-TH270
Turret M22520/1-13	901-TH285
Turret M22520/1-14	901-TH286
Positioner M22520/1-15	901-TP485
Positioner M22520/1-16	901-TP513
Positioner M22520/1-17	901-TP651
Gage M22520/3-1	901-G125

DCC Ratchet Crimp Tool

The Pressmaster DCC range are precision, ratchet crimp tool designed to provide consistent and reliable crimp connections.

- Symmetric dies for right and left handed operation
- Ergonomic handles for low effort crimping
- Ratchet action to ensure full crimp cycle with safety release
- Durable - minimum of 50,000 cycles
- Tool is factory set with a precise eccentric cam adjustment function to guarantee performance

Technical Data	
Length	198mm / 7.80"
Height	65mm / 2.56"
Weight	350g / 0.77 lbs
Connector	Coaxial



Description	0.70	1.20	1.69	3.25	3.80	4.52	5.41	6.48	6.80	Stock Code
DCC-0908			■	■		■				901-0908-007
DCC-1113			■				■	■		901-1113-007
DCC-2124	■	■			■				■	901-2124-007

Professional Ratchet Crimp Tool

This range of ratchet crimp tools provide a professional crimp termination with the convenience of multiple cavities in a single tool. On tool adjustments allow for an adjustable crimp pressure.



Technical Data	
Length	220mm / 8.7"
Weight	483g / 1.06 lbs
Connector	Coaxial

Description	0.71	0.99	1.07	1.09	1.19	1.73	1.98	2.49	2.54	3.25	3.48	3.84	4.52	4.75	5.41	6.48	6.50	6.65	8.15	8.23	9.14	10.90	Stock Code
HT-336J			■			■	■			■		■	■										901-0018-002
HT-336A						■									■		■						901-0040-002
HT-336P1						■		■							■	■			■				901-0041-002
HT-336T1	■	■			■				■	■		■											901-0042-002
HT-336K									■	■												■	901-0043-002
HT-336C2						■												■		■	■		901-0044-002
HT-336A4						■								■	■	■							901-0045-002
HT-336D						■									■		■			■			901-0046-002
HT-336G				■		■			■		■				■	■							901-0047-002

CMC Tools

The CM Coax range of ratchet crimp tools provide a professional and reliable crimp every time.



Technical Data	
Model no:	CMC.702/xx
Length	198mm / 7.80"
Weight	350g / 0.77 lbs

Cavity Size A / F (mm)

Description	0.70	1.20	1.70	3.25	3.80	4.06	4.52	5.41	6.48	6.80	Stock Code
CMC.702/03	■	■			■					■	901-7203-004
CMC.702/04	■	■				■		■			901-7204-004
CMC.702/05			■					■	■		901-7205-004
CMC.702/09	■			■			■				901-7209-004
CMC.702/11			■		■					■	901-7211-004
CMC.702/12					■					■	901-7212-004
CMC.702/13		■		■			■				901-7213-004
CMC.702/17		■		■			■	■			901-7217-004
CMC.702/19		■		■	■					■	901-7219-004
CMC.702/26	■	■				■				■	901-7226-004

Non-Ratchet Crimp Tool

This range of ratchet crimp tools provide a professional crimp termination with the convenience of multiple cavities in a single tool. On tool adjustments allow for an adjustable crimp pressure.



Technical Data	
Length	220mm / 8.7"
Weight	483g / 1.06 lbs
Connector	Coaxial: F-Type Fibre: SMA, SMB, SMC, MCX

Description	1.92	2.54	8.20	8.60	9.10	10.30	11.40	11.95	Stock Code
HT-106G			■				■		901-0032-002
HT-106L		■			■	■			901-0033-002
HT-106Q		■	■					■	901-0034-002
HT-106X	■			■					901-0035-002

Cable Strippers	Description	Stock Code
	Stripper 9A BT3002	902-1005-009
	Stripper 8A BT2001/2/3	902-1006-009
	Cam & Guide BT2002	902-1112-009
	Cam & Guide BT2003	902-1113-009
	Cam & Guide RG179B/U	902-1114-009
	Cam & Guide RG179PVC	902-2225-009
	Cam & Guide BT3002	902-1115-009
	Cam & Guide TZC	902-1117-009
	Cam & Guide RG223	902-1119-009
	Cam & Guide RA8000	902-1120-009
	Cam & Guide RG59	902-1121-009
	Cam & Guide RA7000	902-1122-009
	9A/8A Spare Blades 25PK	902-1200-009

TOR Cable Jacket Stripper



Stock Code 902-1010-007

Tor is a professional stripping tool for cables of all insulation types. By rotating the body of the tool the blade can be fixed in any one of three positions providing circular cuts about the cable and lengthways or spiral cuts along the cable.

Unique to this type of tool Tor features interchangeable cable retention hooks giving it an incomparable cable stripping capacity of up to 40mm/1.5 inch diameter in one tool. Designed to fit the hand and for ease of use, Tor can strip the most difficult cables in the harshest of environments.

Centre Conductor Nippers 3A

Stock Code 902-2000-017



Micro-shear flush cutter

Stock Code 902-2001-042



Automatic Wire Stripper 1.0 - 3.2mm



Stock Code 902-E72-3007

Ideal for the fast and clean removal of insulation.

Automatic clamping action & length gauge. Facility ensures stripped ends are uniformly stripped. Blades are accurately notched & honed to strip four insulation diameters.

Diagonal Cutters - Oval Head

This range of cutters offers unsurpassed cutting capacity covering a wide range of wire dimensions and types.

1% Carbon/Chrome Ball Bearing Grade Steel

Material usually reserved for high stress applications provides incredible impact resistance and resiliency with smoother, cleaner penetration at the cutting edge.

Forged Components

Grain structure follows profile of the blank to maximize tool strength.

CNC Grinding Of Forged Blanks

Computer controlled machine grinding guarantees edge angle accuracy and contact which increases tool reliability and consistency.

63-65 HRC On Cutting Edges

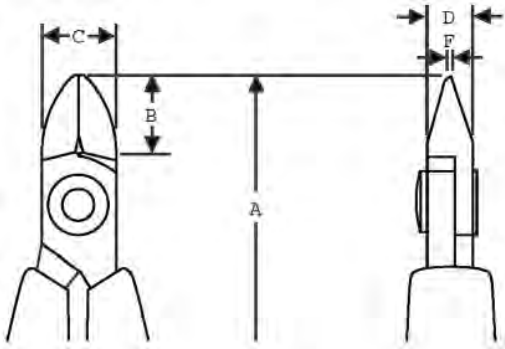
Precision induction hardening of 1% Carbon/Chrome Ball Bearing Steel allows high Rockwell hardness without brittleness resulting in a longer lasting tool.

ESD Safety

All Lindström 80 Series pliers are ESD safe. Resins with conductive additives in the handles create a material that safely dissipates electrostatic charges, reducing possibility of damage to sensitive components.



Warning! Lindström pliers are not 1000V insulated and therefore should never be used on electrified equipment.



A	B	C	D	F	Wire Size (mm)	Cut Type	Stock Code
(mm)							
108	8	8	5	0.8	0.2-1.0	Micro	902-8130-117
108	8	8	5	0.8	0.1-1.0	Flush	902-8131-117
108	8	8	5	0.8	0.1-1.0	Flush	902-8131CO-117
108	8	8	5	0.8	0.1-0.8	Ultra	902-8132-117
110	10	10	6	0.8	0.2-1.25	Micro	902-8140-117
110	10	10	6	0.8	0.2-1.25	Micro	902-8140CO-117
110	10	10	6	0.8	0.1-1.25	Flush	902-8141-117
110	10	10	6	0.8	0.1-1.25	Flush	902-8141CO-117
110	10	10	6	0.8	0.1-1.0	Ultra	902-8142-117
110	10	10	6	0.8	0.1-1.0	Ultra	902-8142CO-117
112.5	12.5	12.5	6	1.2	0.3-1.6	Micro	902-8150-117
112.5	12.5	12.5	6	1.2	0.3-1.6	Micro	902-8150CO-117
112.5	12.5	12.5	6	1.2	Max 0.5	Micro	902-8150J-117
112.5	12.5	12.5	6	1.2	0.2-1.6	Flush	902-8151-117
112.5	12.5	12.5	6	1.2	0.2-1.6	Flush	902-8151CO-117
112.5	12.5	12.5	6	1.2	0.1-1.25	Ultra	902-8152-117
125	16	16	8	1.6	0.4-2.0	Micro	902-8160-117
125	16	16	8	1.6	0.4-2.0	Micro	902-8160CO-117
125	16	16	8	1.6	Max 0.5	Micro	902-8160J-117
125	16	16	8	1.6	0.3-2.0	Flush	902-8161-117
125	16	16	8	1.6	0.3-2.0	Flush	902-8161CO-117
125	16	16	8	1.6	0.3-1.6	Ultra	902-8162-117

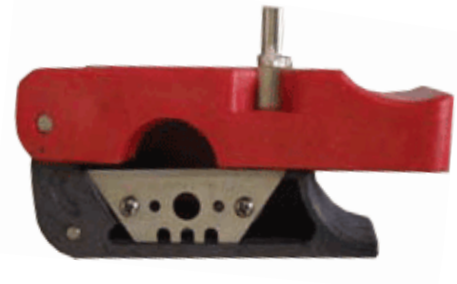
1/2" Flexible Cable



Stock Code 902-CT12

- Cutting Tool for 1/2" RF Cable
- Main Material: Nylon
- Materials of parts: Stainless Steel
- Spare blades: 2

7/8" Flexible Cable



Stock Code 902-CT78

- Cutting Tool for 7/8" RF Cable
- Main Material: Nylon
- Materials of parts: Stainless Steel
- Spare blades: 2

1 1/4" Flexible Cable



Stock Code 902-CT114

- Cutting Tool for 1-1/4" RF Cable
- Main Material: Aluminum Alloy
- Materials of parts: Stainless Steel
- Spare blades: 2

LMR® Stripping Tools



Description	Stock Code
LMR195/200 Stripping Tool	902-43535
LMR240 Stripping Tool	902-43345
LMR300 Stripping Tool	902-43445
LMR400 Stripping Tool	902-42630
LMR500 Stripping Tool	902-43395
LMR600 Stripping Tool	902-43285
LMR Stripping Tool Spare Blades	902-43293

TWO STEP tool for preparing standard Times Microwave 195/200, 240, 300, 400, 500 and 600 LMR coax cables.

The first cut will prepare cable to the proper center conductor length. The second cut will remove the proper length of the outer jacket exposing the braid.

One tool prepares LMR cable for both crimp (EZ) and clamp (C) type connectors with a simple screw type(Red) selector for EZ and C type strip lengths.

Tool has a built-in debur tool which eliminates the need for a separate debur tool.

Coaxial Cable Strippers

UTP/STP Stripper



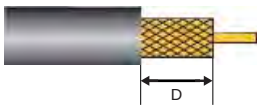
Cable Type	Stock Code
For wire diameter $\varnothing 5\text{-}\varnothing 6.2\text{mm}$. Top end for 110/88 type insertion use.	902-HT-308
A simple stripper for UTP/STP Telecom wire.	

UTP/STP Stripper



Cable Type	Stock Code
For wire diameter $\varnothing 5\text{-}\varnothing 6.2\text{mm}$.	902-HT-318
A simple stripper for UTP/STP Telecom wire. Made of poly resin, economic type.	

UTP/STP/Cat5 Strippers



Cable Type <i>Stripping Distance</i>	Stock Code	Replacement Cassette
RG59/6/11/7 <i>D=6mm</i>	902-HT-351 902-HT-352	902-HT-R352
18 AWG & 24 AWG <i>D=6mm</i>	902-HT-351A 902-HT-352A	902-HT-R352A
RG59/6 for two sides <i>D=6mm</i>	902-HT-351B 902-HT-352B	902-HT-R352B
Strips outer jacket of UTP and STP cable and Cat5 round telephone cable. Strips Flat telephone cable. Pushes and rotates the cassette to set the coaxial cable diameter.		



902-HT-352A: 4.9"(125mm)



902-HT-351: 4.9"(125mm)



902-HT-352: 4.9"(125mm)

902-HT-R352

902-HT-R352A

902-HT-R352B

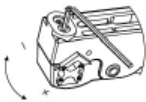
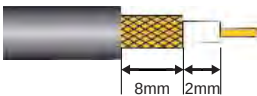
Replacement Cassettes

Coaxial Cable Strippers

3-Blade Model



322 SERIES: 4.3" (108mm)



Adjusts blade depth



Adjusts V-block

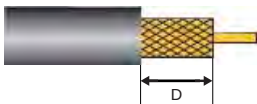
Cable Type	Stock Code
RG-58/59/62/6	902-HT-322
RG-59/62/6/4C/5C	902-HT-312A
RG-58/59/62/3C/4C	902-HT-312B
For cable OD from 3.5ø-5ømm	902-HT-312X
For cable OD around 10.5ømm such as RG213	902-HT-312S 902-HT-322S3
<i>Streamlined design, no need for replacing cassette and adjusting V-block. Tool is preset to RG58/59/62/6. Uses the built-in hex wrench to align the socket and adjusts the blade.</i>	
Replacement Blades*: 312 Series: 902-HT-3121, 322 Series: 902-HT-3221	

*Can be manufactured to special requirements

2-Blade Model



332 SERIES: 3.9" (99mm)



302 SERIES
D=6, 8mm

332 SERIES
D=4, 6, 8, 12mm



302 SERIES: 3.9" (105mm)

Cable Type	Stock Code
RG58/59/62/6/6QS/3C/4C/5C	902-HT-332
RG59/62/6/4C/5C	902-HT-332A
RG58/59/62/3C/4C	902-HT-332B
RG174	902-HT-332D
RG59/62/6/4C/5C	902-HT-302A
RG58/59/62/3C/4C	902-HT-302B
RG8/11/213	902-HT-322S
<i>Reversible V-block. The indication arrow "►" shown recommended cable size. Stripping distance can be adjusted by moving one of the blades. Uses the built-in hex wrench to align the socket and adjusts the blade.</i>	
Replacement Blades*: 302 Series: 902-HT-3021, 332 Series: 902-HT-3321	

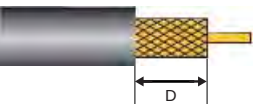
*Can be manufactured to special requirements

Double-Ended Coaxial Stripper



RG11
RG6

323 SERIES 4.8" (121mm)



RG59/6 D=6.35mm (.25")
RG11/7 D=6.35mm (.25")

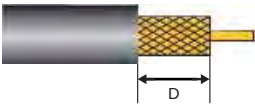
Cable Type	Stock Code
RG59/62/6/11/7/213/8	902-HT-323
<i>Lightweight, compact, cost-effective stripper. Strips coaxial jacket and inner conductor in one operation. No adjustment required</i>	

Coaxial Cable Strippers

2-Blade Model



902-HT-322C1: 4.3" (108mm)



902-HT-322C1:
D=6.35mm (.25")
902-HT-322C2:
D=3.18mm (.125")
902-HT-R2C3:
D=6mm (.236")

Cable Type	Stock Code	Replacement Cassette
RG8/11/213	902-HT-322C1	902-HT-R2C1
RG8/11/213	902-HT-322C2	902-HT-R2C2
RG58/59/6	902-HT-322C3	902-HT-R2C3



Changeable cassette

1-Blade Model



902-HT-501N: 4" (100mm)



"A" "B"

Cable Type	Stock Code
Strips RG58/59/6	902-HT-501N
Strips and cuts RG58/59/6	902-HT-501NC

Body made of ABS. Strips cables in 2 steps.
1. Slot "A" for stripping centre core
2. Slot "B" for stripping outer jacket
Rotates 3-5 times in clockwise direction

Swivel Blade Stripper



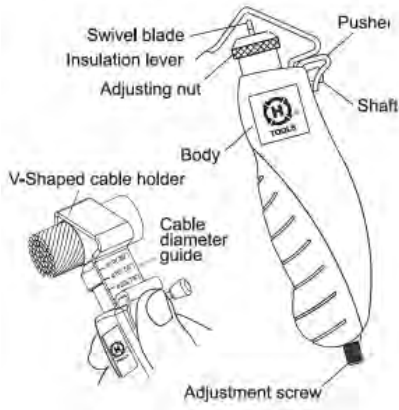
902-HT-325: 6" (150mm)



902-HT-325B: 6" (150mm)

Adjustment screw

Cable Type	Blade Holder	Stock Code	Replacement Blade
Strips cable diameter from 4.5-25mm (.18"-1.0")	Plastic	902-HT-325	902-HT-3251
	Metal	902-HT325B	
Strips cable diameter from 25-36mm (1.0"-1.4")	Plastic	902-HT-335	902-HT-3251
	Metal	902-HT-335B	



Extraction & Assembly Tools

BT43 Extraction Tool 65A

Stock Code 903-0005-047



This tool has the single purpose of extracting standard size Type 43 DDF plugs (white clip)

HDC43 T Bar Tool

Stock Code 903-0010-002



This tool has three functions:

- Insertion of HDC43 DDF plug
- Removal of HDC43 U Link
- Removal of HDC43 DDF (blue clip)

1.0/2.3 B/H Assembly tool



Description	Stock Code
7.5mm (Standard)	903-0021-004
8.2mm (Custom)	903-0022-004
9.2mm (Custom)	903-0023-004

1.6/5.6 B/H Assembly tool

Stock Code 903-0020-065



1.6/5.6 B/H Assembly tool with Bit Head

Stock Code 903-0025-004



1.6/5.6 B/H Assembly tool

Stock Code 903-0020-004



1.0/2.3 Insert/Extraction Tool

Stock Code 903-0051-004



Extraction & Assembly Tools

SMA Torque Wrench	Description	Stock Code
	8mm - 80 to 120 N.cm	R282.320.000



3 in 1 tool. For RG59 (4C) & RG6 (5C)	Description	Stock Code
	3 in 1 tool. For RG59 (4C) & RG6 (5C)	903-224D-112



One end to enlarge space between shield and insulation for RG59, another end for RG6, the other end lock F connector tool socket and twist it onto a stripped cable end.

Pin Extractor	Description	Stock Code
	Pin Extractor	903-224A-112



BNC Removal Tool	Description	Stock Code
	6" (156mm)	903-2206-112
	8" (206mm)	903-2208-112
	12" (308mm)	903-2212-112
	16" (410mm)	903-2216-112



F Type Removal Tool	Description	Stock Code
	6" (156mm)	903-2206F-112
	8" (206mm)	903-2208F-112
	12" (308mm)	903-2212F-112
	16" (410mm)	903-2216F-112



Service Engineers Toolkit 'A'



Eurocase

Stock Code: 903-A10-6130



Wide Mouth Bag

Stock Code: 903-A10-6131



Tool & Laptop Case

Stock Code: 903-A10-6132

Option of case includes the following:

Wide Mouth Tool Bag	5m Tape Measure
3 Piece Plier Set	Boat Level
6 Piece Screwdriver Set	Pen Torch
Mains Tester	Retractable Knife
6" Adjustable Wrench	Junior Hacksaw
Hex Key Set	Safety Spec
Pin Hammer	Fine Point Scissors
5m Tape Measure	

Service Engineers Toolkit 'B'



Extra Deep Eurocase

Stock Code: 903-A10-6134



Tote Bag

Stock Code: 903-A10-6135



Toolbox

Stock Code: 903-A10-6136

Option of case includes the following:

3 Piece Plier Set	Fine Point Scissors
6 Piece S/driver Set	Mini Side Cutter
Mains Tester	Mini Snipe Nose Plier
6" Adjustable Wrench	Wire Stripper
Hex Key Set	Jewellers Screwdriver Set
Pin Hammer	Mirror/Retrieval Tool
5m Tape Measure	Head Torch
Boat Level	Insulation Tape
Pen Torch	Work Mat
Retractable Knife	Parts Box
Junior Hacksaw	1 x Sharpie Pen
Safety Spectacles	

Service Engineers Toolkit 'C'



Extra Deep Eurocase

Stock Code: 903-A10-6138



Tote Bag

Stock Code: 903-A10-6139



Toolbox

Stock Code: 903-A10-6140

Option of case includes the following:

3 Piece Plier Set	Mirror/retrieval Tool
6 Piece S/driver Set	Head Torch
Mains Tester	Insulation Tape
6" Adjustable Wrench	Personal Dustsheet
Hex Key Set	Parts Box
Pin Hammer	Voltaert
5m Tape Measure	Portasol Gas Iron
Boat Level	Tube Solder
Pen Torch	Multibit Driver Set
Retractable Knife	Torx Key Set
Junior Hacksaw	Steel Rule 150mm
Safety Spec	Led Inspection Torch
Fine Point Scissors	6 Piece File Set
Mini Side Cutter	Ic Extractor
Mini Snipe Nose	Cable Ties
Wire Stripper	1 x Sharpie Pen
Jewellers Set	

Service Engineers Toolkit 'D'



Tote Bag & Toolbox

Stock Code: 903-A10-6142



Mobile Work Centre

Stock Code: 903-A10-6143



FatMax Job Chest

Stock Code: 903-A10-6144

Option of case includes the following:

3 Piece Plier Set	Jewellers Set
6 Pieces screwdriver Set	Mirror/retrieval Tool
Mains Tester	Head Torch
6" Adjustable Wrench	Insulation Tape
Hex Key Set	Personal Dustsheet
Pin Hammer	Parts Box
5m Tape Measure	Voltaert
Boat Level	Portasol Gas Iron
Pen Torch	Tube Solder
Retractable Knife	Multibit Driver Set
Junior Hacksaw	Torx Key Set
Safety Spectacles	Steel Rule 150mm
Fine Point Scissors	Led Inspection Torch
Mini Side Cutter	6 Piece File Set
Mini Snipe Nose	IC Extractor
Wire Stripper	Cable Ties
Socket Check Plug	Combi Spanner Set
Multimeter	8pc Mini Wrench Set
Cable Cutter	Soft Faced Hammer
Long Nose Plier	Plaster Board Saw
Electrical Crimping Tool	Fibre Glass Pencil
Slip Joint Plier	1 x Sharpie Pen
Long Series S/driver	



Megawheels Mobile Toolcase

Stock Code: 903-A10-6145

Service Engineers Toolkit '1'



Stock Code: 903-A10-4253

Case includes the following:
 2 toolboards and 2 parts container
 Screwdriver 75 x 3mm
 Screwdriver 100 x 5mm
 Screwdriver 100 x 6mm
 Screwdriver 100 x 8mm
 Screwdriver 75 x No 1 Pozi

Service Engineers Toolkit '2'



Stock Code: 903-A10-4254

Case includes the following:
 Toolcase 138mm Standard
 Soldering Iron Uk Plug
 Solder
 Desolder Pump
 Side Cutter 4 1/2 Blue/Grey
 Snipe Nose Plier 4 1/2B/Handle
 125mm Straight Tweezer
 Plier Set 3Pce
 Slotted 3 X 75mm Screwdriver
 Slotted 4 X 100mm Screwdriver
 Slotted 5 X 100mm Screwdriver
 Pozi No.0 X 60mm Screwdriver
 Pozi No.1 X 75mm Screwdriver
 Pozi No.2 X 100mm Screwdriver

Small Mains Tester
 41 Pce Multi Bit Driver Set
 40 Piece 1/4" Drive Mm/Af Socket Set
 6" Adjustable Wrench
 Spanner Set Open Metric
 Hex Key Set Metric
 Ball Pein Hammer 1/2Lb Hickory Shaft
 3M/10Ft Tape Measure
 Led Pocket Light
 Dental Mirror
 Junior Hacksaw Frame
 Quick Change Retractable Knife
 Sash Brush Bt Type
 Pvc Tape Black 19mm X 33M
 I C Extractor

Service Engineers Toolkit '3'



Stock Code: 903-A10-4255

Case includes the following:
 Toolcase 138mm Standard
 Autoranging Multimeter
 Soldering Iron Uk Plug
 Solder
 Desolder Pump
 Side Cutter 4 1/2 Blue/Grey
 Snipe Nose Plier 4 1/2B/Handle
 125mm Straight Tweezer
 Plier Set 3Pce
 Slotted 6 X 38mm Chubby Screwdriver
 Slotted 3 X 75mm Screwdriver
 Slotted 5 X 100mm Screwdriver
 Pozi No.2 X 38mm Chubby Screwdriver

Pozi No.0 X 60mm Screwdriver
 Pozi No.1 X 75mm Screwdriver
 Pozi No.2 X 100mm Screwdriver
 Pozi No.2 X 250mm Screwdriver
 T/Proof S/Driver 100mm X T10
 T/Proof S/Driver 100mm X T15
 T/Proof S/Driver 100mm X T20
 Small Mains Tester
 Jewellers Set
 41 Pce Multi Bit Driver Set
 40 Piece 1/4" Drive Mm/Af Socket Set
 Hex Key Set Mm
 6" Adjustable Wrench
 Spanner Set Open Metric

Ball Pein Hammer 1/2Lb Hickory Shaft
 150mm/6 Stainless Rule
 3M/10Ft Tape Measure
 Feeler Gauge
 Trim Tool Set
 Dental Mirror
 Quick Change Retractable Knife
 Junior Hacksaw
 Pvc Tape Black 19mm X 33M
 Fine Point Scissor
 I C Extractor
 Led Pocket Light
 Sash Brush Bt Type

Service Engineers Toolkit '4'



Stock Code: 903-A10-4251

Case includes the following:
 ABS deep case with 2 toolboards
 Spanner set open metric 5-11mm
 Open end spanner set 7/32" - 7/16" AF
 Eyeglass x 4
 Cable stripper
 Retrieval tool/inspection mirror
 3 piece solder aids set
 25w soldering iron
 Multicore solder
 Solder sucker
 Cable shear
 Utility shear
 Retractable knife

Side cutter 110mm
 Side cutter 150mm
 Plier engineers 160mm
 Wire stripper 150mm
 E70-4257 Snipe nose plier 160mm
 K70-5010 Tape 3m/10ft
 Junior jacksaw
 Fibre glass pencil
 Screwdriver 75 x 3.2mm
 Screwdriver 150 x 3.2mm
 Screwdriver 100 x 5mm
 Screwdriver 100 x 6.5mm
 Screwdriver 150 x 8mm

6 piece needle file set
 Mains tester
 6 piece jewellers set
 Trim tool pen type
 Hex key set 1.5-10mm
 Hex key set 1/16"-3/8" AF
 Adjustable wrench 6"
 44 piece socket set
 Snipenose 120mm

Screwdriver 100mm No.2 pt
 Screwdriver 75mm No.1 pt
 Screwdriver 75mm No.0 pt
 Std/Phil. Tip screwstarter
 Tweezer 120mm
 File 6" round second
 Multimeter
 0.5lb ball pein hammer

Service Engineers Toolkit '5'



Stock Code: 903-A10-4252

Case Includes The Following:
 Toolcase 169mm Deep
 Autoranging Multimeter
 Solder Aids Set
 Soldering Iron Uk Plug
 Solder
 Desolder Pump
 Cable Shear
 Side Cutter 4 1/2 Blue/Grey
 Snipenose 4 1/2 Ser B/Handle
 125mm Straight Tweezer
 Cable Cutter
 Combination Plier 160mm (6)
 6 Side Cutters
 Long Nose Plier 160mm
 Waterpump Plier 10In
 Wire Stripper
 Cable Ringing Tool
 Crimping Tool

Precision S/Driver Set 7Pce
 Slotted 3 X 150mm Screwdriver
 Slotted 8 X 150mm Screwdriver
 Slotted 3 X 75mm Screwdriver
 Slotted 5 X 100mm Screwdriver
 Pozi No.0 X 60mm Screwdriver
 Pozi No.1 X 75mm Screwdriver
 Pozi No.2 X 100mm Screwdriver
 Pozi No.2 X 250mm Screwdriver
 T/Proof S/Driver 100mm X T10
 T/Proof S/Driver 100mm X T15
 T/Proof S/Driver 100mm X T20
 Slotted 6 X 100mm Screwdriver
 Small Mains Tester
 41 Pce Multi Bit Driver Set
 40 Piece 1/4" Drive Mm/Af Socket Set
 Hex Key Set Mm
 Hex Key Set Af
 6" Adjustable Wrench
 Open End Spanner Set Af

Spanner Set Open Metric
 7 Self Grip Wrench
 Ball Pein Hammer 1/2Lb Hickory Shaft
 3M/10Ft Tape Measure
 Feeler Gauge
 Trim Tool Pen Type
 Anti-Static Field Service Kit
 Led Pocket Light
 4 Pc Spring Hook Set
 Mirror Magnetic Pick Up Tool
 Eye Glass 4
 File 6 Round Second
 10 Pce Needle File Set
 Junior Hacksaw Frame
 Quick Change Retractable Knife
 9mm Snap-Off Blade Knife
 Fibreglass Pencil
 Pvc Tape Black 19mm X 33M
 Fine Point Scissor
 I C Extractor

Engineers Kits

Voice Data and AV Technicians Toolkit No 1



Deep Eurocase

Stock Code: 903-A10-7002

Option of Case includes the following:

2 toolbards
6pc Screwdriver set
Pin Hammer
5m Tape Measure
250mm Boat Level
Torch
Junior Hacksaw
UTP/STP Cyclop Stripper
Universal Coax Stripper
Cable Cutter
3pc Plier Set
110MM Cutter
IDC Tool for Krone Blocks
BNC/TNC Crimper
RJ11/RJ45 Crimper
Retractable Knife
150mm Adjustable Wrench



Tote Bag

Stock Code: 903-A10-0492

Voice Data and AV Technicians Toolkit No 2



Deep Eurocase

Stock Code: 903-A10-3500

Option of Case includes the following:

2 tool boards
Screwdriver set 6 piece
Tamper proof torx set
Cable scissors
Pin hammer
6" adjustable wrench
mm hex key set 1.5 - 6mm
5m tape measure
8" pocket level
Torch
Junior hacksaw
Retractable knife
Antistatic strap
Coily cord
Croc clip
Cyclop UTP/STP stripper
RG58, 59, 62 coax stripper
Cable cutter
Plier set 3 piece
110mm cutter
Krone tool
110 IDC tool
BNC/TNC crimper
RJ45 crimper
Cable sniffer tester
Pkt 10 RJ45 plugs
Pkt 10 plugs boots
Tone tracer kit



Tote Bag

Stock Code: 903-A10-0493

Voice & Data Kit



Stock Code: 903-A10-8020

Case includes the following:

Fusion Standard Tool Bag BAG
Six piece Multibit Screwdriver
Pin Hammer
Mills Tape Measure
250mm Magnetic Level
Torch
Junior Hacksaw
UTP/STP Stripper
Universal Coax Stripper
Cable Cutter
3pc Pliers Set
110mm Side Cutter
KRONE Tool
BNC/TNC Ratchet Crimper
RJ11/45 Ratchet Crimper
Retractable Knife



Stock Code: 903-A10-4250

Case includes the following:

Tool wallet
6" cutters
Krone tool
RJ45 crimper
BNC/TNC crimper
BTIA stripper (UTP/STP)
Coax stripper
Set of Hi-volt screwdrivers
Cable scissors
Pin hammer
Long nose pliers
3m tape measure
Junior hacksaw
Slip Joint plier
BT pocket knife

Structured Cabling Kit



Stock Code: 903-A10-4500

Case includes the following:

RJ45 Ratchet crimper
Cyclops strippers
Cable cutter
Side cutter 110mm
No.1 crosspoint screwdriver
4.0 x 100mm slotted screwdriver
Pkt 10 RJ45 plugs
Pkt 10 plug boots



Stock Code: 903-A10-4501

Case includes the following:

RJ45 Ratchet crimper
Cyclops strippers
Cable cutter
Side cutter 110mm
No.1 crosspoint screwdriver
4.0 x 100mm slotted screwdriver
Pkt 10 RJ45 plugs
Pkt 10 plug boots
Krone tool or 110 IDC tool

UTP/STP Termination Kit



Stock Code: 903-C00-3013

Case includes the following:

UTP/STP stripper
RJ11/RJ45 ratchet crimper
RJ45 modular plugs (Pkt 10)
RJ45 boots (Pkt 10)



Stock Code: 903-E70-9339

Case includes the following:

Polypropylene storage case
Coax stripper for RG58, 59, 62, 6, 3C2V
Cable cutter (10.5mm capacity)
Crimping frame
5 universal dies a,b,c,d & e.

Universal Coaxial Termination Kit

Coaxial Datacom Toolkit



Toolbag

Stock Code: 903-A10-1036

Toolkit includes the following:

Toolbag
 Pen torch
 Combination plier 1600mm
 Pozi screwdriver 60mm x No 0
 Pozi screwdriver 75mm x No 1
 Pozi screwdriver 100mm x No 2
 Slotted screwdriver 75 x 3.2mm
 Slotted screwdriver 150 x 3.2mm
 Slotted screwdriver 100 x 6mm
 Slotted screwdriver 200 x 5.0mm
 Fine point scissors
 RG58 59 62 Coax stripper
 Soldering iron UK plug
 Small mains tester
 Dental mirror
 Solder
 BNC ratchet crimp tool
 Pin hammer 3.5oz
 Adjustable spanner 6inch
 125mm straight tweezer
 Side cutter 1.5 blue/grey
 Snipe nose plier 4.5 b/handle
 Ratchet driver socket and bit set
 9mm snap off blade knife
 IC extractor
 Hex key set mm
 Torx key set

Data Installer Holster Kit



Stock Code: 903-A10-4805

Kit includes the following:

Krone style insertion tool
 Cyclops data cable stripper
 Kevlar scissors for cutting data cables
 Sharpie pen for labelling
 5mm tip slotted screwdriver for fixing faceplates
 Mini Maglite LED torch

1000V toolkit



Stock Code: 903-A10-3504

Kit includes the following:

Tool wallet
 Screwdriver 75 x 3mm
 Screwdriver 100 x 4mm
 Screwdriver 125 x 5.5mm
 Screwdriver 150 x 6.5mm
 Screwdriver 80 x No.1 crosspoint
 Screwdriver 100 x No.2 crosspoint
 160mm side cutters
 160mm long nose pliers
 180mm combination pliers

CATV toolkit



Stock Code: 903-A10-8776

Kit includes the following:

Scotchlock crimper
 6pc screwdriver set
 3pc plier set
 110mm mini side cutter
 Cable cutter
 Claw hammer
 Retractable knife
 8 inch adjustable wrench
 Torch lantern
 250mm magnetic boat level
 Genuine Krone tool 2A

Fluke Pro Tool Kit IS40



Stock Code: 903-C00-4413

Kit includes the following:

D814 Impact Tool
 D-Snips
 Cable Stripper
 EverSharp 66/110 cut blade
 Probe Pic

Fluke Pro Tool Kit IS50



Stock Code: 903-C00-4414

Kit includes the following:

D914S Impact Tool
 D-Snips
 Cable Stripper
 EverSharp 66/110 cut blade
 Probe Pic

Fluke Pro Tool Kit IS60



Stock Code: 903-C00-4415

Kit includes the following:

D914S Impact Tool
 D-Snips
 Cable Stripper
 EverSharp 66/110 cut blade
 Sharpie & Maglite

Security Installers toolkit

**Deep Eurocase**

Stock Code: 903-A10-5000

**Tote Toolbag**

Stock Code: 903-A10-0494

Option of case includes the following:

2 tool boards
Screwdriver set 6 piece
Tamper proof torx set
Cable scissors
Pin hammer
6inch adjustable wrench
Hex key set 1.5-6mm
5m tape measure
8inch pocket level
Torch
Junior hacksaw
Retractable knife
Antistatic strap
Coilly cord
Croc clip
Cyclop UTP/STP stripper
RG58,59,62 coax stripper
Cable cutter
Plier set 3 piece
110mm cutter
Krone tool
110 idc tool
BNC/TNC crimper
RJ45 crimper
Cable sniffer tester
Pkt 10 RJ45 plugs
Pkt 10 plug boots
Tone tracer kit
Security and alarm tracing kit

Electricians Toolkit



Stock Code: 903-A10-0371

Kit includes the following:

Tote Bag with Cover, Black
Maxim General Purpose Wire Stripper
Safety Voltage Indicator
Twin Tip Sharpie Fine & Ultra Fine x 12 Black Pens
Combination Plier 8inch 1000V
Long Nose Plier 6.5inch 1000V
Cable Cutter Heavy Duty
Waterpump Plier 10inch
Offset Combination Screwdriver
Standard Phillips. Tip Screw Starter
6pc Insulated Screwdriver Set
Small Mains Tester C
Adjustable Spanner Insulated 8inch
Cold Chisel 6 x 0.5inch
Cold Chisel 10 x 0.75inch
Centre Punch 5mm
Cold Chisel with Grip 10inch
3 Brick Bolster with Guard
16oz Glass Fibre Claw Hammer
Club Hammer 2.5lb
Mills 3M/10ft Tape Measure
Adjustable Pipe Cutter 3-30mm
Rubber Torch 2 Cell and 2 Batteries
File 6 Half Round Second
Junior Hacksaw Frame
General Purpose 12inch Hacksaw
Side Cutter 6inch 1000V
Wire Stripper 1000V
Retractable Knife
Safety Spectacles
Cable Shear
Voltalert
Padsaw

Joiners Toolkit



Stock Code: 903-A10-0379

Kit includes the following:

Toolbox
3M Tape Measure
4-16mm Sheath Stripper
28-35mm Sheath Stripper
35-50mm Sheath Stripper
Combination Plier 200mm
Side Cutter 130mm Blue Handle
Cross Pein Hammer 8oz
Cold Chisel with Grip 10inch
General Purpose 12inch Hacksaw
Junior Hacksaw Frame
Cable Cutter Blue Handle
Adjustable Spanner 10inch Insulated
Slotted Screwdriver 75 X 3.2mm
Slotted Screwdriver 100 X 3.2mm
Slotted Screwdriver 100 X 4mm
Slotted Screwdriver 150 X 6mm
Phillips Screwdriver 75 X No.1
Phillips Screwdriver 100 X No.2
Scotch Lock Crimp Tool 8B
Slotted Screwdriver 150mm x 8mm
Long Nose Plier 160mm
Cross Pein Hammer 1lb
File 6 Hand Second
Cable Tie Gun
Kevlar Scissors
Wire Stripper
Pocket Knife
Tinsnips

Kits for Vans



Van Kits can be built to your specification. Please email us your desired kit listing for a competitive quotation.



Accessories

Heat Shrink

2:1 Shrink Ratio	Standard grade polyolefin, 2:1 shrink ratio, shrink with hot airgun or naked flame, flexible, excellent insulation properties, easily print on, without adhesive and does not melt-resistant to cold air flow.
Application	SG is flexible, flame retardant heat shrinkable polyolefin tubing designed for wide range of applications such as insulation, marking, strain relief and mechanical protection.
Shrinking properties	Radial shrinkage: 50% min Longitudinal shrinkage: 5% max Tubing has ability to shrink at comparatively low temperatures of 100°C
Specifications	UL224 125OC 600V VW-1 CSA C22.2 No. 198 125OC 600V RoHS Compliant
Available Colours	Black (08), blue (05), yellow (03), red (06), white (07), clear (13), brown (10) and grey (04)

Sold by the metre or in packs of pre-cut lengths
xx = colour

Inner Diameter	Wall Thickness	Stock Code
1.2mm	0.41mm	405-012xx-029
1.6mm	0.43mm	405-016xx-029
2.4mm	0.51mm	405-024xx-029
3.2mm	0.51mm	405-032xx-029
4.8mm	0.51mm	405-048xx-029
9.5mm	0.64mm	405-095xx-029
12.8mm	0.64mm	405-127xx-029
19.1mm	0.76mm	405-019xx-029
25.4mm	0.89mm	405-025xx-029
38mm	1.02mm	405-038xx-029
50mm	1.14mm	405-050xx-029
75mm	1.27mm	405-075xx-029
102mm	1.40mm	405-102xx-029

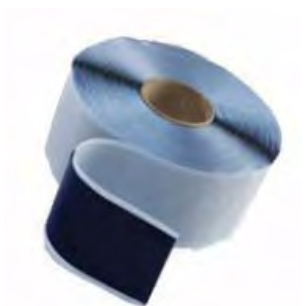


Tapes



PVC Adhesive Electrical Tape

	19mm x 20m	19mm x 33m	25mm x 33m	50mm x 33m		
Black	408-192008-029	408-193308-029	408-253308-029	408-503308-029		
Blue	408-192005-029	408-193305-029	408-253305-029	408-503305-029		
Brown	408-192010-029	408-193310-029	408-253310-029	408-503310-029		
Green	408-192002-029	408-193302-029	408-253302-029	408-503302-029		
Grey	408-192004-029	408-193304-029	408-253304-029	408-503304-029		
Red	408-192006-029	408-193306-029	408-253306-029	408-503306-029		
White	408-192007-029	408-193307-029	408-253307-029	408-503307-029		
Yellow	408-192003-029	408-193303-029	408-253303-029	408-503303-029		
Green/Yellow	408-1920GY-029	408-1933GY-029	408-2533GY-029	408-5033GY-029		
	Thickness mm	Adhesive kg/25mm	Tensile Strength kg/25mm	Elongation %	Breakdown voltage Kv	Insulation class °C
Colours	0.13	0.47	5.2	150	5.5	80
Green/Yellow	0.13	0.47	5.0	125	5.0	80



Butyl 62 - Rubber Cable Jointing Tape

Stock Code	408-BUTYL
Pack Qty	10
Box Qty	100
Dimensions	62mm x 3mm x 600mm
Material	Putty
Colour	Black

Putty sealant. Butyl putty and 3M Scotchfil Electrical Insulation Putty Tape are electrical grade, rubber-based, elastic-type putties in tape form.

Use it as a build-up compound on highly irregular surfaces, such as fittings and valves, to provide a smooth, waterproof taping surface.



Denso Tape

Width (mm)	Length (mm)	Stock Code
50	10	408-DENSOTAPE1050
75	10	408-DENSOTAPE1075
100	10	408-DENSOTAPE10100
150	10	408-DENSOTAPE10150

- Self-adhesive petrolatum tape
- British Gas approved
- Requires minimum preparation
- Flexible
- Effective long term sealing and protection

Tapes



Self-Amalgamating Tape

- Easy application
- Fuses to form a homogeneous, cavity-free compound, within a short space of time.
- Fully removable
- Durable
- Ozone-resistant
- No electrolytic corrosion
- Non tacky
- Extremely ductile
- Superior electrical properties
- Excellent adherence to a wide range of substances
- Superior physical properties

Width (mm)	Length (mm)	Stock Code
19	10	408-CP62
Thickness: 0.75mm		
Colour: Black		
Material: EPR-Base		

Application

- Sealing of casting moulds
- Padding of cable insulation
- Conductor insulation for plastic-insulated cables up to 69 kV
- Repairing and connection of various insulating and cable materials e.g. PE, XLPE, EPR, PVC, butyl, neoprene



Dry Vinyl Harness

A flame resistant dry vinyl general purpose harness tape, with high elongation and good ageing characteristics.

Application: For use as an electrical insulation tape for bundling wires and cables.

Width (mm)	Length (mm)	Stock Code
19	40	408-HT1940
25	40	408-HT2540

Colour: Black

Properties	Average Test Values
Total Thickness	0.12mm
Tensile Strength	5.4 kg/25mm
Elongation	192%
Unwinding Force	549 g/25mm
Dielectric breakdown	8 KV
Flammability	1 sec



Scapa 2501 PIB Self Amalgamating Tape

Scapa 2501 is a general-purpose insulating, self-amalgamating tape based on PIB (Polyisobutylene) rubber.

Width (mm)	Length (m)	Box Q'ty	Stock Code
19	10	48	408-2501PIB19
25	10	36	408-2501PIB25
38	10	24	408-2501PIB38
50	10	18	408-2501PIB50

Colour: Black

Good physical and electrical properties with a high degree of stability under conditions of use.

The tape amalgamates rapidly when applied under tension to provide a void-free homogeneous wrapping, without the need for external heat or pressure.

Compatible with a wide range of rubber and plastic dielectric cable insulation. These include polyethylene, cross-linked polyethylene, ethylene propylene rubber, PVC, butyl and neoprene.

Compatible with other Scapa electrical tapes, including PVC tapes. Highly resistant to prolonged immersion in water and has excellent resistance to ozone. The product can be removed cleanly from most substrates, making it suitable for temporary repairs.

Service temperature -40 to +90°C.

Supplied in an easy to handle and apply tape form. The product is interleaved with a disposable plastic liner.

Applications

- For jointing and repairing a wide range of power and distribution cables up to 46 kV.
- For making watertight seals at polyethylene sleeve joints on polyethylene-sleeved telephone cables both above and below ground.
- For general-purpose protection and waterproofing.
- For insulation, waterproofing and protection of electrical components.
- For corrosion protection of metal pipework.
- For protection of joints against seawater in marine environments.
- For general-purpose DIY temporary repairs.
- For waterproofing and protecting cables and components on satellite dishes.

Tapes

Scotch® 23 Lined Premium Rubber

Application

- Primary insulation for splicing cable up to 69kv
- Primary insulation for building stress cones on cables up to 35kv on all solid dielectric cable
- Jacketing on all high-voltage splices and terminations
- Moisture sealing electrical connections
- End sealing high-voltage cables
- Bus bar insulations

Features

- Non-vulcanising and shelf-stable with excellent electrical properties
- A special polyester liner which will not stick to the tape on unwind
- Can be stretched up to 100% to give void-free, moisture-resistant insulation
- Up to 90°C continuous operating temperatures and 130°C emergency overload temperature
- Self-fusing

Width (mm)	Length (m)	Stock Code
19	9.15	408-HT002001309
Also available in 25, 38mm widths		



3M™ Scotchfil™ Electrical Insulation Putty

3M™ Scotchfil™ Electrical Insulation Putty can be wrapped, stretched or molded around irregular shapes for quick, smooth insulation build-up. Use 3M™ Scotchfil™ putty to insulate connections up to 600 volts and to round out high-voltage connections to gear, smooth bus bar irregularities, and make a moisture seal at ground wire exits in high-voltage splices. UL Recognized Component listing for 176°F (80°C) when used in combination with Scotch® Super 33+ or Scotch® Super 88 tapes.

Width (mm)	Length (m)	Stock Code
38	3.2	408-3MSCOTCHFIL
Also available in 25, 38mm widths		



Scotch® Super 33+

Scotch® Super 33+ Premium Quality Black PVC Electrical Insulation Tape 20m x 19mm

Scotch® Super 33+ Electrical Tape is a premium grade, 0.178mm thick, all-weather vinyl insulating tape. It is designed to perform continuously in ambient temperatures of up to 105°C (220°F). The tape is conformable, and suitable for cold weather applications down to -18°C (0°F). The combination of elastic backing and aggressive adhesive provides moisture-tight electrical and mechanical protection with minimum bulk.

Features

- Excellent resistance to abrasion, moisture, alkalis, acids, corrosion and varying weather conditions (including ultraviolet exposure)
- Flame retardant
- Conforms to BS 3924 and UL510

Applications

- Primary electrical insulation for all wire and cable splices rated up to 600V

Width (mm)	Length (m)	Stock Code
19	20	408-80611207012



Scotch® Super 88 All Weather PVC Electrical Insulation Tape

3M™ Scotch® Super 88 Tape is one of 3M's highest quality electrical tapes, offering all weather insulation. Having invented the world's first insulation tape, 3M sets the standard for quality, efficiency, durability and versatility. Slightly thicker than 33+, Super 88 offers superb abrasion resistance and consistent electrical strength even when wet.

-Designed with an elastic backing and an aggressive adhesive, to provide a moisture-tight electrical and mechanical protection with minimum bulk

-Flame retardant with excellent resistance to abrasion, moisture, alkalis, acids, corrosion and varying weather conditions (including ultraviolet exposure)

-Designed for continuous performance at temperatures ranging from -18°C (0°F) to 105°C (220°F)

-Primary electrical insulation for all wire and cable splices rated up to 600V and 105°C (220°F).

- Conforms to BS 3924 and UL510
- Colour = Black
- Includes 1x 20m roll of 19mm wide 'all weather' Electrical Vinyl Insulation Tape.

Width (mm)	Length (m)	Stock Code
19	20	402-80610833867
25	33	402-80610138978



Scotch® 22 Electrical Tape



Size	Stock Code
12mm x 33m	TBA
19mm x 33m	408-80012017044
25mm x 33m	408-80012017051
38mm x 33m	408-80012017069
50mm x 33m	TBA

Description

Scotch® 22 Electrical Tape is a premium grade, 0.254mm thick, vinyl insulating tape. It is designed to perform continuously in ambient temperatures up to 80°C (176°F). The tape is conformable for cold weather applications down to -10°C (15°F). It has excellent resistance to abrasion, moisture, alkalis, acids, corrosion and varying weather conditions (including ultraviolet exposure).

Features

- High elastic memory
- Flame retardent
- Temperature rating from -10C to 80C
- High resistance to corrosion, U.V, moisture and chemicals
- Conforms to BS 3924 and UL 510

Application

- Suitable for all heavy-duty applications, including bus bar insulations, harnessing, cable sheath repair and sealing connectors

Cable Ties

Standard Cable Ties

Non-Releasable

Features One-piece molded nylon 6.6 non-releasable cable ties
Bent finger grip and low threading force for quick installation
Smooth Rounded Edges

Specifications Material: High Quality virgin Nylon, UL : Approved
Flame Resistance : In accordance with UL94V2
Strength Temperature : Tensile strength MIL 23190E
Temperature Range : For continuous use -40C to 85C
Pack Size: 100

Available colours Natural, Black, Blue, Yellow, Green & Red



Length	Width	Max Bundle Diameter	Max Tensile Strength	Natural	Black	Blue	Yellow	Green	Red
80mm	2.4mm	15mm	8kg	401-08001-022	401-08002-022	-	-	-	-
100mm	2.5mm	18mm	8kg	401-10001-022	401-10002-022	401-10005-022	401-10003-022	401-10008-022	401-10006-022
120mm	4.8mm	24mm	22kg	401-12001-022	401-12002-022	-	-	-	-
140mm	3.6mm	33mm	13kg	401-14001-022	401-14002-022	401-14005-022	401-14003-022	401-14008-022	401-14006-022
160mm	4.8mm	38mm	22kg	401-16001-022	401-16002-022	-	-	-	-
160mm	2.5mm	40mm	8kg	401-16001L-022	401-16002L-022	-	-	-	-
200mm	2.5mm	50mm	8kg	401-20001L-022	401-20002L-022	401-20005L-022	401-20003L-022	401-20008L-022	401-20006L-022
200mm	3.6mm	50mm	13kg	401-20001I-022	401-20002I-022	-	-	-	-
200mm	4.8mm	50mm	22kg	401-20001-022	401-20002-022	401-20005-022	401-20003-022	401-20008-022	401-20006-022
250mm	4.8mm	63mm	22kg	401-25001-022	401-25002-022	-	-	-	-
300mm	3.6mm	76mm	13kg	401-30001L-022	401-30002L-022	-	-	-	-
300mm	4.8mm	76mm	22kg	401-30001-022	401-30002-022	401-30005-022	401-30003-022	401-30008-022	401-30006-022
370mm	4.8mm	102mm	22kg	401-36501-022	401-36502-022	-	-	-	-
430mm	4.8mm	110mm	22kg	401-43001-022	401-43002-022	-	-	-	-
530mm	4.8mm	140mm	22kg	401-53001-022	401-53002-022	-	-	-	-
150mm	7.6mm	36mm	55kg	401-15001H-022	401-15002H-022	-	-	-	-
200mm	7.6mm	50mm	55kg	401-20001H-022	401-20002H-022	-	-	-	-
240mm	7.6mm	66mm	55kg	401-24001H-022	401-24002H-022	-	-	-	-
300mm	7.6mm	76mm	55kg	401-30001H-022	401-30002H-022	-	-	-	-
370mm	7.6mm	100mm	55kg	401-37001H-022	401-37002H-022	-	-	-	-
430mm	9.0mm	110mm	75kg	401-43001H-022	401-43002H-022	-	-	-	-
530mm	9.0mm	140mm	75kg	401-53001H-022	401-53002H-022	-	-	-	-
710mm	9.0mm	190mm	75kg	401-71001H-022	401-71002H-022	-	-	-	-
940mm	9.0mm	280mm	75kg	401-94001H-022	401-94002H-022	-	-	-	-
580mm	12.7mm	152mm	113kg	401-58001EH-022	401-58002EH-022	-	-	-	-
1030mm	12.7mm	302mm	113kg	-	401-103002EH-022	-	-	-	-

Also available :

2.5 x 100mm 50 each Red, Green, Yellow, Orange & Blue : 401-100RB-022

2.5 x 160mm 50 each Red, Green, Yellow, Orange & Blue : 401-160RBL-022

UV Resistant Cable Ties
Non-Releasable

Features

UV stabilised non-releasable cable ties
Ideal for use outside, even in the most demanding conditions.
One-piece molded nylon 6.6 with added carbon
Bent finger grip and low threading force for quick installation.

Specifications

MATERIAL:
High quality UV resistant Nylon 6.6

COLOURS:
Black only.

FLAME RESISTANCE:
In accordance with UL94V2

TEMPERATURE RANGE:
For continuous use -40°C to +85°C
Although Nylon 6.6 cable ties have a wide operating temperature, it is not recommended that they should be stored or installed at extremes of temperature.

PROPERTIES:
Highly resistant against: lubricants, oil, grease, hydrocarbons, paints, fats and petrol.

PACK SIZES:
Available in packs of 100 pieces.



Available colours

Black

Length	Width	Max Bundle Diameter	Max Tensile Strength	Stock Code
100	2.5	18	8	401-100UVB-022
140	3.6	33	18	401-140UVB-022
160	2.5	40	8	401-160LUVB-022
200	3.6	50	18	401-200IUVB-022
200	4.8	50	22	401-200UVB-022
300	3.6	76	18	401-300LUVB-022
300	4.8	76	22	401-300UVB-022
370	4.8	102	22	401-365UVB-022
530	4.8	140	22	401-530UVB-022
300	7.6	76	55	401-300HUVB-022
370	7.6	100	55	401-370HUVB-022
710	9.0	190	75	401-710HUVB-022
1030	12.7	302	113	401-1030EHUVB-022

Standard Cable Ties



Width mm	Length mm	Max Bundle Diameter mm	Tensile Strength kg	Natural	Black
2.5	60	2-11	8	401-SY1125060	401-SY1125060B
2.5	80	2-16	8	401-SY1125080	401-SY1125080B
2.5	100	2-22	8	401-SY1125100	401-SY1125100B
2.5	120	2-30	8	401-SY1125120	401-SY1125120B
2.5	150	2-35	8	401-SY1125150	401-SY1125150B
2.5	160	2-40	8	401-SY1125160	401-SY1125160B
2.5	200	3-50	8	401-SY1125200	401-SY1125200B
3.6	140	3-33	18	401-SY1136140	401-SY1136140B
3.6	150	3-35	18	401-SY1136150	401-SY1136150B
3.6	180	3-42	18	401-SY1136180	401-SY1136180B
3.6	200	3-50	18	401-SY1136200	401-SY1136200B
3.6	250	3-65	18	401-SY1136250	401-SY1136250B
3.6	280	3-70	18	401-SY1136280	401-SY1136280B
3.6	300	3-80	18	401-SY1136300	401-SY1136300B
3.6	370	3-105	18	401-SY1136370	401-SY1136370B
4.8	120	3-30	22	401-SY1148120	401-SY1148120
4.8	160	3-40	22	401-SY1148160	401-SY1148160
4.8	180	3-42	22	401-SY1148180	401-SY1148180
4.8	190	3-46	22	401-SY1148190	401-SY1148190
4.8	200	3-50	22	401-SY1148200	401-SY1148200
4.8	250	3-65	22	401-SY1148250	401-SY1148250
4.8	280	3-70	22	401-SY1148280	401-SY1148280
4.8	300	3-80	22	401-SY1148300	401-SY1148300
4.8	350	3-90	22	401-SY1148350	401-SY1148350
4.8	360	3-94	22	401-SY1148360	401-SY1148360
4.8	370	3-98	22	401-SY1148370	401-SY1148370
4.8	380	3-102	22	401-SY1148380	401-SY1148380
4.8	400	3-105	22	401-SY1148400	401-SY1148400
4.8	430	3-120	22	401-SY1148430	401-SY1148430
4.8	450	3-130	22	401-SY1148450	401-SY1148450
4.8	500	3-150	22	401-SY1148500	401-SY1148500

Width mm	Length mm	Max Bundle Diameter mm	Tensile Strength kg	Natural	Black
7.2	150	3-35	55	401-SY1172150	401-SY1172150B
7.2	200	3-50	55	401-SY1172200	401-SY1172200B
7.2	250	4-65	55	401-SY1172250	401-SY1172250B
7.2	280	4-78	55	401-SY1172280	401-SY1172280B
7.2	300	4-80	55	401-SY1172300	401-SY1172300B
7.2	350	4-90	55	401-SY1172350	401-SY1172350B
7.2	370	4-98	55	401-SY1172370	401-SY1172370B
7.2	380	4-100	55	401-SY1172370	401-SY1172370B
7.2	400	4-105	55	401-SY1172400	401-SY1172400B
7.2	450	4-110	55	401-SY1172450	401-SY1172450B
7.2	500	4-150	55	401-SY1172500	401-SY1172500B
7.2	530	4-160	55	401-SY1172530	401-SY1172530B
7.2	550	4-165	55	401-SY1172550	401-SY1172550B
9.0	400	8-105	79.4	401-SY1190400	401-SY1190400B
9.0	450	8-118	79.4	401-SY1190450	401-SY1190450B
9.0	500	8-150	79.4	401-SY1190500	401-SY1190500B
9.0	550	8-160	79.4	401-SY1190550	401-SY1190550B
9.0	600	8-170	79.4	401-SY1190600	401-SY1190600B
9.0	650	8-185	79.4	401-SY1190650	401-SY1190650B
9.0	720	10-195	79.4	401-SY1190720	401-SY1190720B
9.0	800	10-230	79.4	401-SY1190800	401-SY1190800B
9.0	900	10-265	79.4	401-SY1190900	401-SY1190900B
9.0	1000	10-300	79.4	401-SY1190100	401-SY1190100B
9.0	1100	10-335	79.4	401-SY1190110	401-SY1190110B
9.0	1200	10-370	79.4	401-SY1190120	401-SY1190120B
12.0	650	14-185	114	401-SY1112065	401-SY1112065B
12.0	900	14-265	114	401-SY1112090	401-SY1112090B

Cable Ties

Marker Ties

Description	Size	Stock Code
Natural - T with catch above ID	100mm x 2.5mm	401-0100-022
Natural - T with catch below ID	110mm x 2.5mm	401-0110-022
Natural - In Line ID	200mm x 4.6mm	401-0200-022
Yellow - In Line ID	200mm x 4.6mm	401-0203-022



Identification Tags

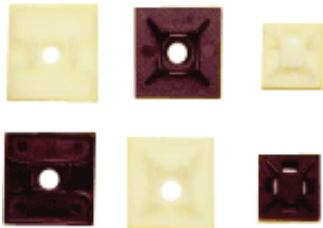
Colour	Size mm	Stock Code
White	27	401-TAG60W
Yellow	27	401-TAG60Y
White	50	401-TAG82W
Yellow	50	401-TAG82Y
White	75	401-TAG110W
Yellow	75	401-TAG110Y
Yellow	125	401-TAG152W



Cable Tie Bases

Description	Size mm max	Stock Code
M4 Natural	4.8	401-SM200
M4 Black	4.8	401-SM208
M5 Natural	9.0	401-SM300
M5 Black	9.0	401-SM308

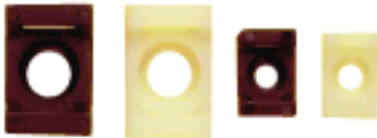
Supplied in 100pk



Saddle Type Mounts

Description	Size mm	Stock Code
Natural	20 x 20	401-HFC1400
Black	20 x 20	401-HFC1408
Natural	28 x 28	401-HFC2400
Black	28 x 28	401-HFC2408

Supplied in 100pk



Stainless Steel Cable Ties

Stainless Steel Cable Ties

Features	Stainless stell roller ball cable ties Self Locking design for fast and secure installation
Specifications	Smooth internal surface, suitable for all types of cable installation Det Norske Veritas Type Approval number E-6729 UL listed. File number E227552. Packs of 100
Finishes	Available in uncoated and pure polyester coated 316 stainless steel

Length	Width	Max Bundle Diameter	Minimum Loop Tensile Strength (N)	Uncoated	Coated
150mm	4.6mm	37mm	667	401-SST1316	401-SSTC1316
201mm	4.6mm	50mm	667	401-SST2316	401-SSTC2316
259mm	4.6mm	69mm	667	401-SST3316	401-SSTC3316
300mm	4.6mm	85mm	667	401-SST3816	401-SSTC3816
360mm	4.6mm	100mm	667	401-SST4316	401-SSTC4316
520mm	4.6mm	150mm	667	401-SST5316	401-SSTC5316
680mm	4.6mm	200mm	667	401-SST6316	401-SSTC6316
200mm	7.9mm	50mm	1335	401-SST2316H	401-SSTC2316H
259mm	7.9mm	200mm	1335	-	401-SSTC3316H
300mm	7.9mm	85mm	1335	401-SST3816H	401-SSTC3816H
360mm	7.9mm	100mm	1335	401-SST4316H	401-SSTC4316H
520mm	7.9mm	150mm	1335	401-SST5316H	401-SSTC5316H
680mm	7.9mm	200mm	1335	401-SST6316H	401-SSTC6316H



Tenby Earth Strap

For all conditions.
Blue (EC15) - For corrosive and humid conditions
Conforms to BS951

The EC15/6 earthing straps are 555mm long, and long enough to earth the majority of pole sizes. The are specified to BS951 and for external use.

Stock Code	420-TENBY
Terminal Size	A-D (2.5 - 10mm²)
Pack Qty	20
Box Qty	300
Length	555mm (up to 176mm dia)
Body (blue) Material	Phosphorus Bronze
Label (BS951) Material	Aluminium
Tail Material	A2-DIN 976 Stainless Steel (304 grade)



Stainless Steel Cable Ties

Stainless Steel Roller Ball Ties

- Roller ball stainless steel cable ties.
- Self locking design for fast and secure installation.
- Fully enclosed head prevents dirt or grit from interfering with locking mechanism
- Smooth rounded edges for safe handling.
- Suitable for all types of cable insulation.
- 316 Stainless Steel
- Ideal for applications where corrosion, vibration, radiation or extremes of temperature are a concern.
- Fire proof, UV Resistant and halogen free.
- Temperature range: -80°C to +500°C



Dimensions (mm)			Max Bundle Diameter (mm)	Minimum Loop Tensile strength (N)	Stock Code
Length	Width	Thickness			
150	4.6	0.25	43	667	401-SST1316
200	4.6	0.25	59	667	401-SST2316
260	4.6	0.25	78	667	401-SST3316
300	4.6	0.25	85	667	401-SST3816
360	4.6	0.25	110	667	401-SST4316
520	4.6	0.25	161	667	401-SST5316
680	4.6	0.25	200	667	401-SST6316
200	7.9	0.25	59	1335	401-SST2316H
300	7.9	0.25	85	1335	401-SST3816H
360	7.9	0.25	110	1335	401-SST4316H
520	7.9	0.25	161	1335	401-SST5316H
680	7.9	0.25	200	1335	401-SST6316H
840	7.9	0.25	250	1335	401-SST8316H
1000	7.9	0.25	300	1335	401-SST10316H

Black Polyester Coated Stainless Steel ties

- Roller ball stainless steel cable ties.
- Self locking design for fast and secure installation.
- Fully enclosed head prevents dirt or grit from interfering with locking mechanism
- Suitable for all types of cable insulation.
- Pure polyester coated 316 Stainless Steel.
- Fire proof, UV Resistant and halogen free.
- Temperature range: -80°C to +150°C.



Dimensions (mm)			Max Bundle Diameter (mm)	Minimum Loop Tensile strength (N)	Stock Code
Length	Width	Thickness			
100	4.6	0.25	18	667	401-SSTC0316
150	4.6	0.25	43	667	401-SSTC1316
200	4.6	0.25	59	667	401-SSTC2316
260	4.6	0.25	78	667	401-SSTC3316
300	4.6	0.25	85	667	401-SSTC3816
360	4.6	0.25	110	667	401-SSTC4316
520	4.6	0.25	161	667	401-SSTC5316
680	4.6	0.25	200	667	401-SSTC6316
200	7.9	0.25	59	1335	401-SSTC2316H
260	7.9	0.25	78	1335	401-SSTC3316H
300	7.9	0.25	85	1335	401-SSTC3816H
360	7.9	0.25	110	1335	401-SSTC4316H
520	7.9	0.25	161	1335	401-SSTC5316H
680	7.9	0.25	200	1335	401-SSTC6316H
840	7.9	0.25	250	1335	401-SSTC8316H
1000	7.9	0.25	300	1335	401-SSTC10316H

Red Polyester Coated Stainless Steel ties

- Ideal for fire alarm installation.
- Specification as black coated SSTC cable ties



Dimensions (mm)			Max Bundle Diameter (mm)	Minimum Loop Tensile strength (N)	Stock Code
Length	Width	Thick-ness			
200	4.6	0.3	59	667	401-SSTRC2316
360	4.6	0.3	110	667	401-SSTRC4316

Stainless Steel Cable Ties / Round Cable Clips

Releasable, Stainless Steel, Black PPA Coated Cable Ties

- Releasable heads which can be reused many times long period of time.
- Smooth rounded edges for safe handling.
- Suitable for all types of cable insulation.
- 316 Stainless Steel. Surface coating PPA571.
- PPA571 is a thermoplastic powder coating based on an alloy of acid modified polyolefin's.
- Designed to provide a long lasting coating for exterior applications.
- Resistant to UV, weather.
- Temperature range 80°C to +150°C.
- Remains flexible at 80°C.
- Resistant to stress cracking on bending.
- (Elongation to break up to 800%)
- Excellent resistance to salt, sands, acids temperature variations and chemicals.
- Halogen free, flame retardant and non toxic.
- Water absorption free



Dimensions (mm)			Max Bundle Diameter (mm)	Minimum Loop Tensile strength (N)	Stock Code
Length	Width	Thickness*			
100	6.35	1.1	18	1469	401-RSST-PPA100
150	6.35	1.1	38	1469	401-RSST-PPA150
229	6.35	1.1	63	1469	401-RSST-PP A229
305	6.35	1.1	86	1469	401-RSST-PPA305
457	6.35	1.1	137	1469	401-RSST-PPA457
457	9.53	1.1	137	2003	401-RSST-PPA457HD
610	9.53	1.1	180	2003	401-RSST-PP A610HD
* Thickness includes coating			Base material thickness 0.5mm		

Round Cable Clips

Description (mm)	Colour	Box Qty	Stock Code
3.0	White	1000	401-ZZV42436
3.5	White	1000	401-ZZV44177
4.5	White	1000	401-ZZV44178
5.0	White	1000	401-ZZV44179
6.0	White	1000	401-ZZV44180
7.0	White	1000	401-ZZV44181
9.0	White	100	401-ZZV42438
11.0	White	100	401-ZZV44182
14.0	White	100	401-ZZV42439



Description (mm)	Colour	Box Qty	Stock Code
3.5	Brown	100	401-ZZV42415
4.5	Brown	100	401-ZZV44168
6.0	Brown	1000	401-ZZV44390
7.0	Brown	1000	401-ZZV44169



Description (mm)	Colour	Box Qty	Stock Code
6.0	Red	100	401-ZZV42417
7.0	Red	100	401-ZZV42418
9.0	Red	100	401-ZZV42419



Description (mm)	Colour	Box Qty	Stock Code
3.5	Black	1000	401-ZZV42391
4.5	Black	1000	401-ZZV44150
5.0	Black	1000	401-ZZV44151
6.0	Black	1000	401-ZZV44152
7.0	Black	1000	401-ZZV44153
9.0	Black	100	401-ZZV42393
11.0	Black	100	401-ZZV44154
14.0	Black	100	401-ZZV44155



Description (mm)	Colour	Box Qty	Stock Code
4.5	Grey	1000	401-ZZV42429
5.0	Grey	1000	401-ZZV42430
6.0	Grey	1000	401-ZZV42431
9.0	Grey	100	401-ZZV42432
11.0	Grey	100	401-ZZV44174
14.0	Grey	100	401-ZZV44175



Cable Tie Mounts

Description	A durable and strong cable tie mount, designed to compliment the Partex range of stainless steel cable ties. Available with either an M4 or M6 fixing hole to accommodate a wide range of fixing methods. We recommend the use of stainless steel screws.
Application	For indoor and outdoor use, fully weather and UV resistant. Ideal for hazardous environments. Fire and corrosion resistant. Where security and durability are critical. Can be used for fixing pipework, conduits and bundles of cables.
Specification	Material: 316 Stainless Steel Working Temperature: -80°C to 538°C Flammability: Non-Flammable Supplied in packs of 50



Dimensions (mm)			Fixing Hole Size	Maximum Tie Width	Stock Code
Length	Width	Height			
29.2	15.0	5.2	4.2	10.0	401-SSTM4
29.2	15.0	5.2	6.2	10.0	401-SSTM6

Outdoor Earth Grounding Kits

Earth Grounding Kits

Stock Code	Description
420-GK-12	Grounding Kit 1/2" (Spring Type)
420-GK-78	Grounding Kit 7/8" (Spring Type)
420-GK-38	Grounding Kit 3/8" (Spring Type)



Stock Code	Description
420-GK-RG8	Grounding Kit RG8 (Framework Type)
420-GK-12F	Grounding Kit 1/2" (Framework Type)
420-GK-114F	Grounding Kit 1 1/4" (Framework Type)
420-GK-158F	Grounding Kit 1 5/8" (Framework Type)



Stock Codes	420-GMT7N	420-GMT11N
Cable	RG59, any cable 6-7mm diameter	RG8, LMR400, RGW400, RG213, RG214 and any cable 10-11mm diameter
Box Quantity	10 or 40	10 or 40
Colour	Black	Black
Material	Clasp & Screw - A2 Stainless Steel (Smiths Test Certificate 9428) - Corrogated tinned Copper Internal Earth	Clasp & Screw - A2 Stainless Steel (Smiths Test Certificate 9428) - Corrogated tinned Copper Internal Earth
Cable Size	6-7mm Ø	10-11mm Ø
IP Rating	X7 – With free issue silicone grease supplied. (Sira Test Certificate N58D24834A -15.04.2011)	X7 – With free issue silicone grease supplied. (Sira Test Certificate 58D23581 -29.10.2010)

This earth grounding kit uses an A2 SS304 stainless steel bracket & Screw with a rubber insert, containing an in-built tinned copper earth connection.



QuickGrip Grounding connector

Ground wire connector for feed thru and tap joints. QuickGrip is patented and UL-listed (27WG). Fast production of durable terminations thanks to patented modified insulation piercing technique, wedge insulation piercing. Approved for use in telecom networks, minimum 20 years lifetime.



Stock Codes	420-5084-094	420-5324-094
Description	QuickGrip 4 x 50mm2 (NED 901 13/1) For insulated stranded ground wire o.d. 11.0 - 13.0 mm, wire size AWG1. 2, 3 or 4 wires may be jointed.	QuickGrip 2 x 25-35mm2 For insulated stranded ground wire o.d. 9.0 - 11.5 mm, wire size AWG2 and 4. 2 wires may be jointed.

Weather Proofing Kits

Description

Weather proofing kits facilitate easy installation and provide long-term environmental sealing for coaxial connections.



Description	Stock Code
3 rolls Butyl, 2 rolls 19mm PVC, 1 roll 50mm PVC	408-WPK030201
5 rolls Butyl, 2 rolls 19mm PVC, 1 roll 50mm PVC	408-WPK050201
6 rolls Butyl, 2 rolls 19mm PVC, 1 roll 50mm PVC	408-WPK060201

Kit List				
Part	Material	Length	Width	No. Of Rolls
Butyl Tape	Butyl Rubber	6m (24")	64mm (2.5")	3, 5 or 6
PVC Tape	PVC	20m (66')	19mm (0.75")	2
PVC Tape	PVC	6m (20')	50mm (2")	1

Working Temperature	-15 to +45°C
Packaging	1 kit each in plastic bag with label



Description	Stock Code
6 rolls Butyl, 2 rolls 19mm PVC, 1 roll 50mm PVC	408-WPKIT

Kit List				
Part	Material	Length	Width	No. Of Rolls
Butyl Tape	Putty	20m	19mm	6
PVC Tape	PVC	6m	62mm	2
PVC Tape	PVC	6m	50mm	1

Weatherproof Boots for DIN 7/16

These connector covers are used to protect downward facing 7/16 DIN connectors on antenna system devices such as Antenna, Diplexers and MHAs.



3M™ Slim Lock Closure 716



Description

Slim Lock Closure for nominal 0.5 inch coaxial cable, with Mini-DIN, N-Type and smaller RF connectors with a neck diameter of 1.00" - 1.03" (25.4 - 26.2 mm).

Stock Code: 408-SLC-716

Specifications	
Connector Neck Size	1.00" - 1.03" (25.4 - 26.2 mm)
Connector Type	DIN 716
Diameter	2.19in
Enviromental Protection	IP68
Length	5in
Operating Temperature	-40 to 65°C
Product Type	Closure
Trademark	3M

Weather Shields

Weather Shield for 1/2" Jumper to Antenna	Description	Stock Code
	1/2"	408-WS12D
	1/2" (Short Version)	408-WS12X

Weather Shield for 7/8"-1/2" DIN	Description	Stock Code
	7/8" - 1/2" DIN	408-WS12T78

Weather Shield for 1 5/8"-1/2" DIN	Description	Stock Code
	Weather Shield 1 5/8" - 1/2" DIN	408-WS12T158

Underground Warning Tape

- High visibility marking of buried utilities
- Non-adhesive coloured plastic film
- Printed with clear warning message
- Manufactured from low density polyethylene

Underground warning tape is a coloured, non-adhesive film, manufactured from low density polyethylene, and printed with a message to warn of the presence of buried utilities (eg electric cables, telecommunications or fibre optic cables, gas pipelines or water pipelines).

Underground warning tape is normally installed a specified distance directly above the service line so that any future excavators will be aware of the cable or pipeline further below.

Warning tapes will only offer a visual warning to excavators. They are not intended to offer any protection or resistance to further excavation. Warning tapes may also be used in combination with Stokbord® cable protection tiles or Tapetile® cable protection tape which offer a physical barrier to excavators.



Advantages

- High grade, low density polyethylene polymers
- Resistant to most soil types including alkaline and acid soils
- Available in a range of widths
- Lead-free pigments
- Custom manufacturing options

Typical applications

- Underground electric cables
- Telecoms and fibre optic cables
- Gas pipelines
- Water pipelines
- Sewer pipelines

Specifications		
Premium grade		
Length	Width	Thickness
365m	150mm	0.1mm (100µm)
Economy grade		
Length	Width	Thickness
365m	150mm	0.05mm (50µm)

Note: Underground warning tape can be custom manufactured in different colours and printed with specific messages and logos for identification purposes. Legend can be in English or any specified language.



Single Clamps

Single Clamps

All two piece single clamps are designed to precisely fit the cable diameter. A range of 11 cable diameters from 5mm to 58mm are available. All single clamps externally interlock with double and 4 way clamps.

These single clamps are manufactured in high grade polypropylene and UV: stabilised to prevent degradation or breaking.

5.4mm



RG223, RG58, Internal Cat 5e UTP Any Cable 5-6mm diameter
Bolt Hole Size: M8 or M10
Stock Code: **420-BW000-54**

7.5mm



CNT300FR-50 ohm INTERCOND 48-50 ohm External Cat 5e UTP Any Cable 7.2-8.2mm diameter
Bolt Hole Size: M8 or M10
Stock Code: **420-BW00-75**

8.5mm



LDF1-RN-50 LDF1-50-SFC 14-50 & RG6 FSJ 1.50A-ETS1-50T, HSIRP-50A & HST1.50, 2-CORE DC Power Cable, Single Core Copper Earth Cable or T-Mobile RET Control Cable
Bolt Hole Size: M8 or M10
Stock Code: **420-BW00-85**

11mm



LDF-2.50, SCF 38-50, LCF38-50 SFX-500, AS1228, H1000XRD1567 FSJ 2.50, ETS2. 50T, EFX 2.50, HS2RP-50 & HST2.50, RG213 & RG214- 50 ohm, RG8 & RG11 75 ohm, LM400, BELDEN 9913, Alpha Wire 10 Core Alarm Cable, Delta Hituff 4 Core Power Cable
Bolt Hole Size: M8 or M10
Stock Code: **420-BW0-11**

13mm



FSJ4.50B, SCF12-50, XRD1568 HS4RP-50 & HT4.50 RG215 & RG217-50 ohm
Bolt Hole Size: M8 or M10
Stock Code: **420-BW1-13**

1/2"



LDF4-50, AVA4-50, LCF12-40, HCA38-50, HLT4.50T, HJ4.50, HL4RP-50, V45466-B21-C26
Bolt Hole Size: M8 or M10
Stock Code: **420-BW2-12**

5/8"



LDF4.50-50, LCF58-50, HJ4.50-50, HCA58-50, RG218-50 ohm, Reka XCMK-HF DC Cable
Bolt Hole Size: M8 or M10
Stock Code: **420-BW4-58**

7/8"



LDF5-50, AVA5-50, LCF78-50, HJ5.50 & HCA78-50, RG220-50 ohms, SCF78-50J & JFN, V45466-B23-C26
Bolt Hole Size: M8 or M10
Stock Code: **420-BW5-78**

1-1/4"



LDF6-50, AVA6-50, LCFS114-50, FLX1480, V45466-B24-C26
Bolt Hole Size: M8 or M10
Stock Code: **420-BW7-1-14**

1-5/8"



LDF7-50, AVA7-50, LCF158-50, HJ7.50A, HF158-50, CR50-1873, V45466-B25-C26
Bolt Hole Size: M8 or M10
Stock Code: **420-BW8-1-58**

2-1/4"



HJ12.50, LCF214-50, HCA214-50, LDF12-50
Bolt Hole Size: M8 or M10
Stock Code: **420-BW9-2-14**

Double Clamps

Double Clamps

All two piece double clamps are designed to precisely fit the cable diameter. A range of 9 cable diameters from 7.5mm to 50mm. All double clamps externally interlock with single and 4 way clamps.

These double clamps are manufactured in high grade polypropylene and UV stabilised to prevent degradation or breaking.

6.5mm



Any cable 6.5-7mm dia.
Bolt Hole Size: M8 or M10
Stock Code: **420-2P-DW00-65**

7.5mm



CNT 300 FR-50, O2 Fibre, VET/RET Cables
Bolt Hole Size: M8 or M10
Stock Code: **420-2P-DW00-75**

8.5mm



LDF1-RN-50 ? LDF1.50 SFC 14-50 & RG6 FSJ 1.50A-ETS1-50T, HSIRP-50A & HST1.50 2-CORE DC Power Cable Single Core Copper Earth Cable Any Cable 8.3-9.5mm diameter
Bolt Hole Size: M8 or M10
Stock Code: **420-2P-DW00-85**

11mm



LDF2-50, SCF38-50, LCF38-50 & SFX-500, AS1228, H1000 XRD1567, FSJ 2-50, ETS2-50 & EFX2.50, HS2RP-50, HST2.50, RG213 & RG 214-50 ohm, RG8 & RG11-75 ohm, LMR400, Belden 9913, Alpha Wire 10 Core Alarm Cable, Delta Hituff 4 Core Power Cable
Bolt Hole Size: M8 or M10
Stock Code: **420-2P-DW0-11**

13mm



FSJ4.50B, SCF12-50 & XRD1568 HS4RP-50 & HT4.50 RG215 &
RG217 - 50 ohm
Bolt Hole Size: M8 or M10
Stock Code: **420-2P-DW1-13**

1/2"



LDF4-50, AVA4-50, LCF12-40, HCA38-50, HLT4.50T, HJ4-50, HL4RP-50
Bolt Hole Size: M8 or M10
Stock Code: **420-2P-DW2-12**

5/8"



LDF4-50-50, LCF58-50, HJ4.50-50 & HCA58-50, RG218-50 ohm, Reka XCMK-HF DC Cable
Bolt Hole Size: M8 or M10
Stock Code: **420-2P-DW4-58**

7/8"



LDF5-50, AVA5-50, LCF78-50, HJ5-50 & HCA78-50, RG220-50 ohms, SCF78-50J & JFN, FXL-780
Bolt Hole Size: M8 or M10
Stock Code: **420-2P-DW5-78**

1-1/4"



LDF6-50, AVA6-50, LCF 114-50, FXL-1480
Bolt Hole Size: M8 or M10
Stock Code: **420-2P-DW7-1-14**

1-5/8"



LDF7-50, AVA7-50, LCF158-50, HJ7.50A, HCA158-50, CR50-1873 PE&R, FXL-1873
Bolt Hole Size: M8 or M10
Stock Code: **420-2P-DW8-1-58**

4 Way Clamps

4 Way Clamps

4 way clamps reduce costs of purchasing 2 doubles, with longer studding etc.
Both clamps will hold single or double cables adequately allowing additional cable to be easily added later.

All two piece 4 way clamps are designed to precisely fit the cable diameter. A range of 2 diameters from 5.4mm to 10mm.
All 4 way clamps externally interlock with single and double clamps.

5.4mm  RG223, RG588, Internal Cat 5e UTPAny Cable 5-6mm Diameter Bolt Hole Size: M8 or M10 Stock Code: 420-2P-4BW000-54	10mm  LDF2-50, SCF38-50, LCF38-50 & SFX-500, FSJ2-50, ETS2-50 & EFX2-50, AS1228, H1000, XRD1567, HS2RP-50 & HST2-50, BELDEN 9913, ALPHA WIRE 10 CORE ALARM CABLE, DELTA HITUFF 4 CORE POWER CABLE Bolt Hole Size: M8 or M10 Stock Code: 420-2P-4BW0-10	2 x 10mm, 2 x 6.5mm  Bolt Hole Size: M8 or M10 Stock Code: 420-2P-4BW10-6.5
2 x 10mm, 2 x 28mm  Inner Cable: 2 x LDF5.50-LCF78-50, HJ5.50 & HCA78-50, RG220-50ohms, SCF78-50J & JFN Outer Cable: 2 x LDF2-50, SCF38-50, LCF38-50, SFX-500, FSJ2-50, BELDEN 9913, RG8, RG11, RG213 & RG214 Bolt Hole Size: M8 or M10 Stock Code: 420-2P-4BW28-10	10mm (2 x 6 hole Fibre)  Bolt Hole Size: M8 or M10 Stock Code: 420-2P-4BW28-FB6	

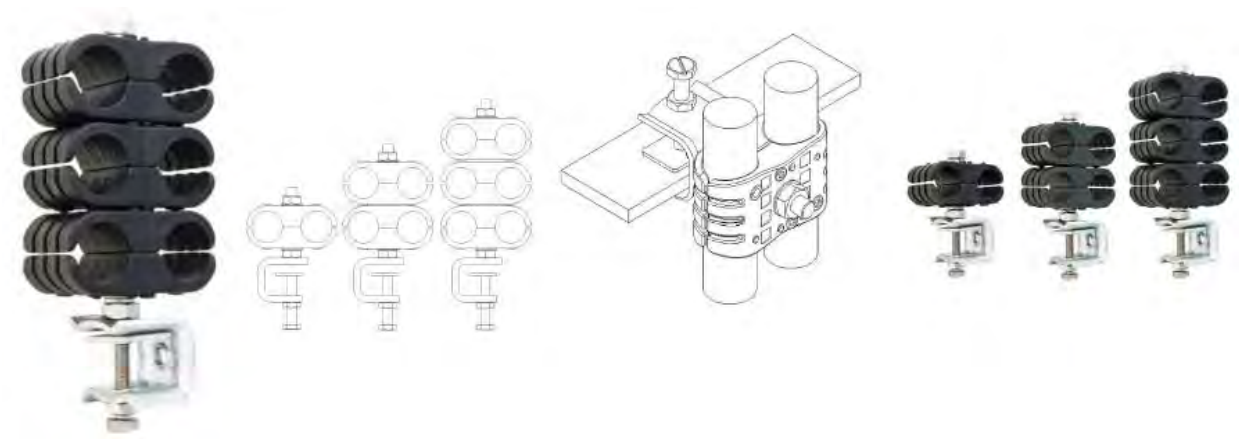
Double Clamp Assemblies

Description

These double clamp assemblies are supplied as kits for ease of purchasing. Clamps are supplied unassembled as standard, please request a quote for assembled items.

All two piece double clamps are designed to precisely fit the cable diameter. We have only listed a few double clamp assemblies, but please let us know if you have any further requirements.

These double clamps are manufactured in high grade polypropylene and UV stabilised to prevent degradation or breaking.



Cable Type	Stud Size	No. of Cables	Pack Quantity	Weight (g)	Stock Code
1/2" (Ø16)	M10 X 80	2 x	20pcs	0.30	420-DW2A1
	M10 X 100	4 x	20pcs	0.35	420-DW2A2
	M10 X 130	6 x	20pcs	0.40	420-DW2A3
7/8" (Ø28)	M10 X 85	2 x	20pcs	0.35	420-DW5A1
	M10 X 130	4 x	20pcs	0.40	420-DW5A2
	M10 X 180	6 x	20pcs	0.45	420-DW5A3
1-1/4" (Ø40)	M10 X 110	2 x	10pcs	0.55	420-DW7A1
	M10 X 170	4 x	10pcs	0.60	420-DW7A2
	M10 X 250	6 x	10pcs	0.65	420-DW7A3
1-5/8" (Ø50)	M10 X 130	2 x	10pcs	0.60	420-DW8A1
	M10 X 200	4 x	10pcs	0.65	420-DW8A2
	M10 X 280	6 x	10pcs	0.70	420-DW8A3

Material: Polypropylene Colour: Black

Single Hole Feeder Clamps

Feeder Clamps

1 Run



2 Runs



3 Runs



4 Runs



Material	Stainless Steel / Q235
Size	1/2" , 7/8" , 1-1/4" , 1-5/8"
Design	Single Run
Included	Single Adaptor, mounting hardware and plastic clamp
Mounts to	Angle members
Feature	Durability, easy installation, weather resistance

Cable	No. of Runs	Stock Code
For 1/2" Cable	1	420-FCS12-1
For 1/2" Cable	2	420-FCS12-2
For 1/2" Cable	3	420-FCS12-3
For 1/2" Cable	4	420-FCS12-4
For 7/8" Cable	1	420-FCS78-1
For 7/8" Cable	2	420-FCS78-2
For 7/8" Cable	3	420-FCS78-3
For 7/8" Cable	4	420-FCS78-4
For 1-1/4" Cable	1	420-FCS114-4
For 1-1/4" Cable	2	420-FCS114-2
For 1-1/4" Cable	3	420-FCS114-3
For 1-1/4" Cable	4	420-FCS114-4
For 1-5/8" Cable	1	420-FCS158-1
For 1-5/8" Cable	2	420-FCS158-2
For 1-5/8" Cable	3	420-FCS158-3
For 1-5/8" Cable	4	420-FCS158-4

Access Covers - Class D400

Silent Knight D400

Available in clear openings 1210x685 or 1825x685 and 100mm or 150mm frame depths, Silent Knight D400 offers consistent high performance in all conditions.

Silent Knight D400 is rated to EN124 Group 4 D400 load classification.

Application

Recommended for use in trunk and city roads carrying continuous fast moving traffic.

Key Features

- Double triangular Non-rock design
- Skid resistant radial chequer design
- Frame lifting points
- LTS installation and durability features
- Customer specific or generic badging available
- Anti-theft locking options
- A range of Safety Grids are available
- HA 104/09 compliant
- Sewers for Adoption 7 compliant

Options

- Badging options
- Security locking option

**Open Keyways - Class D400**

Clear Opening (mm)	Over Base (mm)	Depth (mm)	Weight (kg)	Stock Code
1210 x 685	1385 x 850	100	207	186072
1825 x 685	1985 x 850	100	306	186079
1210 x 685	1385 x 850	150	241	186074
1825 x 685	1985 x 850	150	354	186082

Closed Keyways - Class D400

Clear Opening (mm)	Over Base (mm)	Depth (mm)	Weight (kg)	Stock Code
1210 x 685	1385 x 850	100	209	186086
1825 x 685	1985 x 850	100	308	186097
1210 x 685	1385 x 850	150	243	186091
1825 x 685	1985 x 850	150	356	186100

Ropes & Cable Bearers

Drawrope No.1 - 6mm x 500m	Description	Stock Code	
	A 3 strand polypropylene drawrope with plain ends used for light cabling work.	416-E3490	
	Supplied on 500m reel, 6mm in diameter, weight 7.5kg, max load 550 kg		
Rope Cabling No.1 - 10mm x 250m	Description	Stock Code	
	A pre-stretched cabling rope used on self tailing winch systems.	416-E3393	
	It is important to note that this rope is not to be used on hand tailed winches. Supplied on 250 metre reel, 10mm in diameter.		
Rope Cabling No.4	Description	Length	Stock Code
	This is a low stretch high strength 13mm rope manufactured of man-made fibre with an eye splice at each end. Used for underground cabling work. Kevlar/Bond rope.	100m	416-E3394
		200m	416-E3395
		500m	416-E3396
Cable Bearer Wall Type	Description	Stock Code	
	Cable Bearer Type 1 (Wall Type) 178mm	416-E3041	
	Cable Bearer Type 2 (Wall Type) 279mm	416-E3042	
	Cable Bearer Type 3 (Wall Type) 508mm	416-E3043	
	Cable Bearer Type 5 (Wall Type) 813mm	416-E3044	
	Cable Bearer Type 8 (Wall Type) 1270mm	416-E3045	
	Cable Bearer Type 10 (Wall Type) 1574mm	416-E3046	
	Cable Bearer Type 112 (Wall Type) 1879mm	416-E3047	
Bracket Cable Bearer	Description	Stock Code	
	Bracket Cable Bearer Type 3 150mm	416-E3027	
	Bracket Cable Bearer Type 5 170mm	416-E3028	
	Bracket Cable Bearer Type 8 250mm	416-E3029	
	Bracket Cable Bearer Type 12 350mm	416-E3030	
	Bracket Cable Bearer Type 18 500mm	416-E3031	
	Bracket Cable Bearer Type 24 650mm	416-E3032	

Soft Grip Ties & Velcro Tape

Soft Grip Ties



	180mm x 12mm (Bundle Diameter 40mm)	310mm x 16mm (Bundle Diameter 85mm)
Black	401-SGT18008	401-SGT31008
Blue	401-SGT18005	401-SGT31005
Red	401-SGT18006	401-SGT31006
Yellow	401-SGT18003	401-SGT31003
Green	401-SGT18002	401-SGT31002

These ties offer a reliable alternative to cable handling and bundling.

- Self-gripping for quick and easy installation
 - Design makes the tie re-adjustable and re-usable
 - Ideal for use where frequent access is required and where over tightening is a concern - such as on data cables
 - Available in a selection of colours for easy identity
- Material: Polyamide fleece

One Wrap Velcro Tape

25m x 20mm



Black	401-OWT-20MM
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A non-adhesive velcro loop. A very popular multi-purpose velcro product supplied in rolls which are easily stored, giving the flexibility to cut lengths as they are needed.

Velcro Cable Ties Reusable / Cable Tidy

20mm x 180mm
10 Pack



Black	401-BR5008
Blue	401-BR5005
Red	401-BR5006
Yellow	401-BR5003
Green	401-BR5002

Hook And Loop VELCRO Cable Strap

12mm x 25m Roll



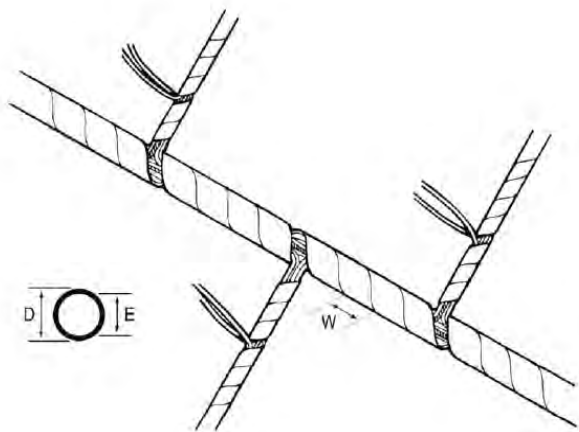
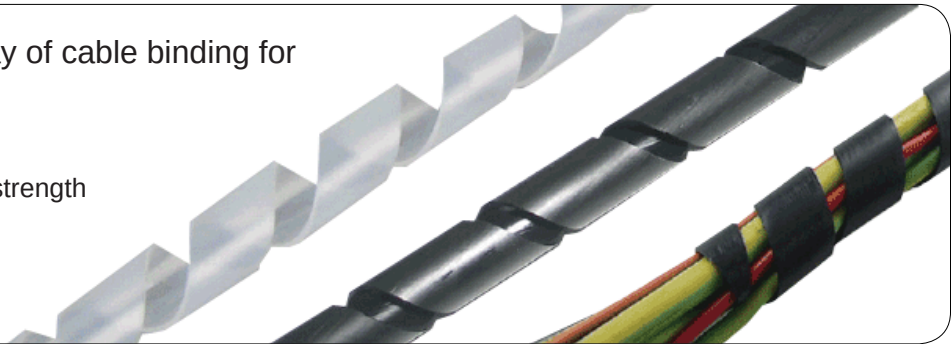
Black	401-HOOK-LOOP-12
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Hook and Loop Cable Strap is ideal for all kinds of cable management. This VELCRO Hook and Loop is infinitely adjustable and can be re-used as many times as possible.

Soft cable tie materials ensure the cables are never damaged. Available in a continuous roll of 25m and width of 12mm. BLACK as standard

Spiral Wrap is the ideal way of cable binding for harnesses etc.

- Cut to fit, no waste
- Re-usable with retained spiral strength
- Made from Polythene
- Available in Natural or Black
- Supplied in 10m reels



Internal Dia. (mm) 'E'	External Dia. (mm) 'D'	Screw Dia. (mm)	Bundle Dia. (mm) Min. - Max.	Coil Size (m)	Stock Codes	
					Natural	Black
5.0	6.0	7.0	4-50	10	401-SP4N-10	401-SP4B-10
7.0	8.0	10.8	6-60	10	401-SP6N-10	401-SP6B-10
10.2	12.0	13.9	9-65	10	401-SP9N-10	401-SP9B-10
13.0	15.0	15.0	13 - 70	10	401-SP12N-10	401-SP12B-10
16.4	19.0	18.2	15-100	10	401-SP15N-10	401-SP15B-10
21.0	24.0	19.6	20-130	10	401-SP20N-10	401-SP20B-10

19" Frame Accessories

Standard Cable Management Panel**Description**

Comes with 5 plastic jumper rings and is suitable for most purposes.

Stock Code

802-0210-027

Heavy Duty Cable Management Panel**Description**

The all metal heavy duty panel is suitable for handling bulk cables, where plastic jumper rings are prone to buckling or twisting

Stock Code

802-0211-027

Blanking Panel**Description**

Mini5 19" 1U Black Blank Panel
Mini5 19" 2U Black Blank Panel
Mini5 19" 3U Black Blank Panel
Mini5 19" 4U Black Blank Panel
Mini5 19" 5U Black Blank Panel

Stock Code

802-PPB-1UB
801-PPB-2UB
801-PPB-3UB
801-PPB-4UB
801-PPB-5UB

Brush Panel**Description**

Allows the cables to pass from front to rear in a tidy and protective way. 1U spare positions in a 19" rack. Supplied with fixing kit.

Stock Code

802-0215-027

Cable Tidy Slotted Horizontal Panels**Description**

Mini5 19Inch 1U Black Plastic Slotted Finger Cable Management
Mini5 19Inch 2U Black Plastic Slotted Finger Cable Management

Stock Code

802-HSFP1U
802-HSFP2U

Mini5 cost effective 19inch slotted finger cable management with snap on front cover. Black PVC material with rear cable slots and open sides for cable entry/exit.

Lightweight plastic construction with slotted cable management fingers
-Cable feed through slots on rear
-Front cover hinges top and bottom
-Ideal for Cat6 and Cat6a cabling

Coax Patch Panels

Coax Patch Panel	Description	Stock Code	
		Black	Grey
	BNC 1U Flat 16 port	802-0116-047	802-0216-047
	BNC 1U Flat 24 port	802-0124-047	802-0224-047
	BNC 1U Flat 32 port	802-0132-047	802-0232-047
	1.6/5.6 1U Flat 32 port	802-0332-047	802-0432-047
	1.6/5.6 1U Flat 48 port	802-0348-047	802-0448-047

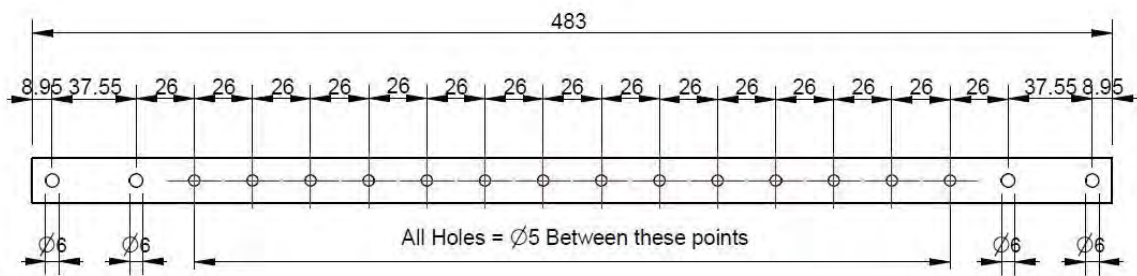
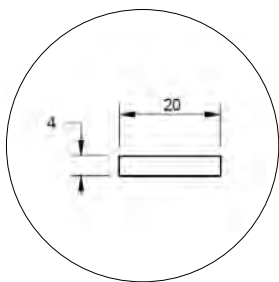
N Type Patch Panel 12 Port	Description	Stock Code	
		Black	Grey
	N Type Patch Panel Flat 1U	802-0512-036	802-0612-036
	N Type Patch Panel Recessed 1U	802-0512R-036	802-0612R-036

19" Earth Bar

Inspection pit earth bars are used to facilitate testing of the earth electrode, or earthing system.

Description: Solid Copper Earth Bar 20mm x 4mm 19"
Stock Code: 420-EB1544
Material: Copper to BS EN 13601.
Dimensions: 20 x 4mm

Tailored dimensions as per your requirement.



Beam Clamps

Beam Clamps

A range of beam clamps (CTLs) offer a very high quality solution for clamping to flat metal surfaces and angle iron in outdoor applications.

M10 - MKD15/21 with Locknut



Stock Code	420-M10MKD
Bolt Hole Size	M10
Colour	Galv / S/Steel
Material	Galv / S/Steel
Weight (Kgs)	0.188
Locknut	Yes

M8 - MKD15/21 with No Locknut



Stock Code	420-M8MKD
Bolt Hole Size	M8
Colour	Galv / S/Steel
Material	Galv / S/Steel
Weight (Kgs)	0.187
Locknut	No

AB40 - Angle Bracket



Stock Code	401-AB40
Bolt Hole Size	M10
Colour	Galv / S/Steel
Material	Galv / S/Steel
Weight (Kgs)	0.188
Locknut	Yes

Beam Clamps

Universal Angle Adaptor



Stock Code	420-AA-34W
Size	3/4" hole
Design	Adapts hangers to angle members
Included	Adaptor, set bolt, hanger hardware kit and insert
Mounts to	Angle members
Feature	Accepts snap-in hangers or 3/8" hardware
Packing	Kit of 10

Snap-In Angle Adaptor



Stock Code	420-AA-34
Size	3/4" hole
Design	Adapts hangers to angle members
Included	Adaptor, set bolt
Mounts to	Angle members
Feature	Accepts snap-in hangers or 3/8" hardware
Packing	Kit of 10

Standard Angle Adaptor



Stock Code	420-AA-38A
Size	3/8" Tapped hole
Design	Adapts hangers to angle members
Included	Adaptor, set bolt, hanger hardware kit
Mounts to	Angle members
Feature	High strength solution
Packing	Kit of 10

Tapped Angle Adaptor



Stock Code	420-AA-38
Size	3/8" Tapped hole
Design	Adapts hangers to angle members
Included	Adaptor, set bolt
Mounts to	Angle members
Feature	High strength solution
Packing	Kit of 10

Hanger Kits



Standard Hanger Kit

Traditional option for securing coaxial cable safely in place. It can be used with angle adaptors or round member adaptors (hose clamps). Hardware included in each bag.

Description	Pack	Stock Code
Fits 1/2 cable, stainless steel	Kit of 10pcs	420-BH12
Fits 7/8 cable, stainless steel	Kit of 10pcs	420-BH78
Fits 1-1/4 cable, stainless steel	Kit of 10pcs	420-BH114
Fits 1-5/8 cable, stainless steel	Kit of 10pcs	420-BH158



Clip Hanger

Alternative design for securing coaxial cable safely in place by locking-mechanism. It can be used with angle adaptors or round member adaptors (hose clamps). Hardware included in each bag.

Description	Pack	Stock Code
Fits 1/2 cable, stainless steel	Kit of 10pcs	420-CBH12
Fits 7/8 cable, stainless steel	Kit of 10pcs	420-CBH78
Fits 1-1/4 cable, stainless steel	Kit of 10pcs	420-CBH114
Fits 1-5/8 cable, stainless steel	Kit of 10pcs	420-CBH158

Set Screws

M10 Hex Set Screws	Bolt Hole Size	Length (mm)	Stock Code
	M10	16	401-M10X16SS
	M10	30	401-M10X30SS
	M10	40	401-M10X40SS
	M10	50	401-M10X50SS
	M10	60	401-M10X60SS
	M10	70	401-M10X70SS
	M10	80	401-M10X80SS
	M10	90	401-M10X90SS
	M10	100	401-M10X100SS
	M10	110	401-M10X110SS
	M10	130	401-M10X130SS
	M10	150	401-M10X150SS

M8 Hex Set Screws	Bolt Hole Size	Length (mm)	Stock Code
	M8	12	401-M8X12SS
	M8	16	401-M8X16SS
	M8	20	401-M8X20SS
	M8	30	401-M8X30SS
	M8	40	401-M8X40SS
	M8	50	401-M8X50SS
	M8	60	401-M8X60SS
	M8	100	401-M8X100SS
	M8	120	401-M8X120SS
M8	150	401-M8X150SS	

M6 Hex Set Screws	Bolt Hole Size	Length (mm)	Stock Code
	M6	16	401-M6X16SS
	M6	20	401-M6X20SS
	M6	30	401-M6X30SS

All Items Box Quantities : 100

Studding

M12 Studding



Bolt Hole Size	Length (mm)	Stock Code
M12	180	401-M12X180
M12	1000	401-M12x1000

M10 Studding



Bolt Hole Size	Length (mm)	Stock Code
M10	80	401-M10X80
M10	85	401-M10X85
M10	100	401-M10X100
M10	110	401-M10X110
M10	130	401-M10X130
M10	150	401-M10X150
M10	170	401-M10X170
M10	180	401-M10X180
M10	200	401-M10X200
M10	220	401-M10X220
M10	250	401-M10X250
M10	300	401-M10X300
M10	350	401-M10X350
M10	500	401-M10X500
M10	1000	401-M10X1000

M8 Studding



Bolt Hole Size	Length (mm)	Stock Code
M8	30	401-M8X30
M8	50	401-M8X50
M8	80	401-M8X80
M8	100	401-M8X100
M8	110	401-M8X110
M8	120	401-M8X120
M8	150	401-M8X150
M8	200	401-M8X200
M8	300	401-M8X300

M6 Studding



Bolt Hole Size	Length (mm)	Stock Code
M6	100	401-M6X100
M6	130	401-M6X130
M6	150	401-M6X150

All Items Box Quantities : 100

Fixed Studding / End Caps

	M10 Fixed Studding Kit	Bolt Hole Size	Length (mm)	Stock Code
		M10	80	401-M10X80/x
		M10	85	401-M10X85/x
		M10	100	401-M10X100/x
		M10	130	401-M10X130/x
		M10	150	401-M10X150/x
		M10	170	401-M10X170/x
		M10	180	401-M10X180/x
		M10	200	401-M10X200/x
		M10	220	401-M10X220/x
		M10	250	401-M10X250/x
		M10	280	401-M10X280/x
		M10	300	401-M10X300/x
		x = /1 - Single Piece /10 - 10 Pack		

All Items Box Quantities : 100

PVC End Caps

PVC End Caps	Bolt Hole Size	Colour	Dims. mm.	Thread width	Stock Code
	M8	Yellow	8.7/13	5/16	401-M8STUDENDYW
	M10	Yellow	9.5/13	3/8	401-M10STUDENDYW
	M10	Black	9.5/13	3/8	401-M10STUDENDBK
	M10	Red	9.5/13	3/8	401-M10STUDENDRD
	M12	Yellow	11.9/13	7/16	401-M12STUDENDYW
	M12	Black	11.9/13	7/16	401-M12STUDENDBK
	M20	Yellow	19.1/19	3/4	401-M20STUDENDYW

All Items Box Quantities : 2500

Nuts, Flats & Washers

Hex Nuts	Bolt Hole Size	Material	Stock Code
	M12	A2 Stainless Steel	401-M12NUTS
	M10	A2 Stainless Steel	401-M10NUTS
	M8	A2 Stainless Steel	401-M8NUTS
	M6	A2 Stainless Steel	401-M6NUTS
	M10	A4 Stainless Steel	401-A4-M10NUTS
	M12	Galvanised Mild Steel	401-M12GALVNUTS
Nyloc Nuts	Bolt Hole Size	Material	Stock Code
	M10	A2 Stainless Steel	401-M10NYLOC
Flat Washers	Bolt Hole Size	Material	Stock Code
	M12	A2 Stainless Steel	401-M12FLATS
	M10	A2 Stainless Steel	401-M10FLATS
	M8	A2 Stainless Steel	401-M8FLATS
	M6	A2 Stainless Steel	401-M6FLATS
	M10	A4 Stainless Steel	401-A4-M10FLATS
	M12	Galvanised Mild Steel	401-M12GALVFLATS
Penny Washers	Bolt Hole Size	Material	Stock Code
	M10	A2 Stainless Steel	401-M10PENNY
	M8	A2 Stainless Steel	401-M8PENNY
	M6	A2 Stainless Steel	401-M6PENNY
Spring Washers	Bolt Hole Size	Material	Stock Code
	M12	A2 Stainless Steel	401-M12SCWASHERS
	M10	A2 Stainless Steel	401-M10SCWASHERS
	M8	A2 Stainless Steel	401-M8SCWASHERS
	M6	A2 Stainless Steel	401-M6SCWASHERS
	M10	A4 Stainless Steel	401-A4-M10SCWASHERS
	M12	Galvanised Mild Steel	401-M12GALVSCOIL
Serrated Internal Washers	Bolt Hole Size	Material	Stock Code
	M10	A2 Stainless Steel	401-M10SERRATED

All Items Box Quantities : 100

BPA Tower Leg Adaptors

BPA Tower Leg Adaptors

Used when tower legs or steel work must not be drilled again after galvanizing. Suitable for use with either single or double interlocking Graphiclamps.

Can also be used on any flat surface such as angle iron etc. Leg or pipe attaching the adaptor should be less than 50mm for BPA25mm and greater than 50mm for BPA50mm+.

Attachment by hose clips or by 1/2" - 3/4" stainless steel banding.

BPA-25mm+

Stock Code	420-BPA25
Bolt Hole Size	M10
DimA (mm)	25
DimB (mm)	25
DimC (mm)	45
DimE (mm)	1/2
Pipe/Tower Leg Diameter	Up to 45/50mm
Colour	Black
Material	Plastic

**BPA-50mm+**

Description	Bolt Hole Size	Stock Code
BPA-50mm+	M10	420-BPA50
BPA-50mm+6	M6	420-BPA506
DimA (mm)	30	
DimB (mm)	44	
DimC (mm)	62	
DimE (mm)	1/2	
Pipe/Tower Leg Diameter	Over 45/50mm	
Colour	Black	
Material	Plastic	

**SGPA-50mm+**

Description	Bolt Hole Size	Stock Code
SGPA-50mm+	M10	420-SGPA50
SGPA-50mm+6	M6	420-SGPA506
DimA (mm)	30	
DimB (mm)	44	
DimC (mm)	62	
DimE (mm)	1/2	
Pipe/Tower Leg Diameter	Over 45/50mm	
Colour	Signal Grey	
Material	Plastic	



Copper Tube Terminals (Heavy Duty)

Application Un-insulated heavy duty terminals suitable for power cables up to 1000 volts

Material Manufactured from seamless copper tube to BS EN 12449:1999

Finish Electro Tin Plated to BS 1872:1974

All terminals are manufactured from 99.5% copper and fully annealed to ensure optimum ductility to avoid severe deformation such as cracking and splitting when crimped

Terminals are supplied with an inspection window which enables the user to ensure full and correct insertion of the conductor and a flared entry ensures a smooth transition from terminal to conductor

Internal barrel diameters suit standard cables as defined in BS 6360

All terminals are identified on the palm with the cable size (and stud hole size) to ensure correct selection of the appropriate tool and dies

Blank Palm and Angle Terminals available on request



Cond. Size (mm ²)	Stud Hole	Stock Code
1.5	M4	410-15-4TQ
	M5	410-15-5TQ
	M6	410-15-6TQ
2.5	M4	410-25-4TQ
	M5	410-25-5TQ
	M6	410-25-6TQ
4.0	M4	410-40-4TQ
	M5	410-40-5TQ
	M6	410-40-6TQ
6.0	M4	410-60-4TQ
	M5	410-60-5TQ
	M6	410-60-6TQ
	M8	410-60-8TQ
	M10	410-60-10TQ
10.0	M5	410-10-5TQ
	M6	410-10-6TQ
	M8	410-10-8TQ
	M10	410-10-10TQ
	M12	410-10-12TQ
16.0	M5	410-16-5TQ
	M6	410-16-6TQ
	M8	410-16-8TQ
	M10	410-16-10TQ
	M12	410-16-12TQ
25.0	M5	410-25-5TQ
	M6	410-25-6TQ
	M8	410-25-8TQ
	M10	410-25-10TQ
	M12	410-25-12TQ
35.0	M6	410-35-6TQ
	M8	410-35-8TQ
	M10	410-35-10TQ
	M12	410-35-12TQ
	M14	410-35-14TQ
50.0	M6	410-50-6TQ
	M8	410-50-8TQ
	M10	410-50-10TQ
	M12	410-50-12TQ
	M14	410-50-14TQ
	M16	410-50-16TQ

Cond. Size (mm ²)	Stud Hole	Stock Code
70.0	M6	410-70-6TQ
	M8	410-70-8TQ
	M10	410-70-10TQ
	M12	410-70-12TQ
	M14	410-70-14TQ
	M16	410-70-16TQ
95.0	M6	410-95-6TQ
	M8	410-95-8TQ
	M10	410-95-10TQ
	M12	410-95-12TQ
	M14	410-95-14TQ
	M16	410-95-16TQ
120.0	M8	410-120-8TQ
	M10	410-120-10TQ
	M12	410-120-12TQ
	M14	410-120-14TQ
	M16	410-120-16TQ
	M20	410-120-20TQ
150.0	M8	410-150-8TQ
	M10	410-150-10TQ
	M12	410-150-12TQ
	M14	410-150-14TQ
	M16	410-150-16TQ
	M20	410-150-20TQ
185.0	M10	410-185-10TQ
	M12	410-185-12TQ
	M14	410-185-14TQ
	M16	410-185-16TQ
	M20	410-185-20TQ
240.0	M10	410-240-10TQ
	M12	410-240-12TQ
	M14	410-240-14TQ
	M16	410-240-16TQ
	M20	410-240-20TQ
300.0	M10	410-300-10TQ
	M12	410-300-12TQ
	M14	410-300-14TQ
	M16	410-300-16TQ
	M20	410-300-20TQ

Cond. Size (mm ²)	Stud Hole	Stock Code
400.0	M10	410-400-10TQ
	M12	410-400-12TQ
	M14	410-400-14TQ
	M16	410-400-16TQ
	M20	410-400-20TQ
500.0	Any	410-500-*TQ
630.0	Any	410-630-*TQ
800.0	Any	410-800-*TQ
1000.0	Any	410-1000-*TQ

*Stud Hole Size

Copper Sheet Terminals (Medium Duty)

Application

Un-insulated heavy duty terminals suitable for power cables up to 1000 volts

Material

Manufactured from seamless copper tube to BS EN 12449:1999

Finish

Electro Tin Plated to BS 1872:1974

All terminals are manufactured from 99.5% copper and fully annealed to ensure optimum ductility to avoid severe deformation such as cracking and splitting when crimped

Terminals are supplied with an inspection window which enables the user to ensure full and correct insertion of the conductor and a flared entry ensures a smooth transition from terminal to conductor

Internal barrel diameters suit standard cables as defined in BS 6360

All terminals are identified on the palm with the cable size (and stud hole size) to ensure correct selection of the appropriate tool and dies

Cond. Size (mm²)	Stud Hole (mm)	Stock Code
10.0	5.3	410-10-53ST
	6.5	410-10-65ST
	8.4	410-10-84ST
	10.5	410-10-105ST
	13.0	410-10-130ST
	15.0	410-10-150ST
16.0	5.3	410-16-53ST
	6.5	410-16-65ST
	8.4	410-16-84ST
	10.5	410-16-105ST
	13.0	410-16-130ST
	15.0	410-16-150ST
25.0	6.5	410-25-65ST
	8.4	410-25-84ST
	10.5	410-25-105ST
	13.0	410-25-130ST
	15.0	410-25-150ST
	17.0	410-25-170ST

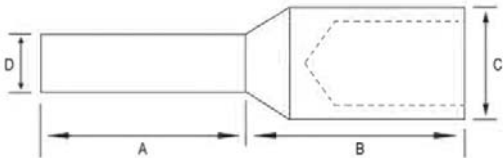
Cond. Size (mm²)	Stud Hole (mm)	Stock Code
10.0	5.3	410-10-53ST
	6.5	410-10-65ST
	8.4	410-10-84ST
	10.5	410-10-105ST
	13.0	410-10-130ST
	15.0	410-10-150ST
35.0	6.5	410-35-65ST
	8.4	410-35-84ST
	10.5	410-35-105ST
	13.0	410-35-130ST
	17.0	410-35-170ST
50.0	6.5	410-50-65ST
	8.4	410-50-84ST
	10.5	410-50-105ST
	13.0	410-50-130ST
	17.0	410-50-170ST
70.0	6.5	410-70-65ST
	8.4	410-70-84ST
	10.5	410-70-105ST
	13.0	410-70-130ST
	17.0	410-70-170ST
95.0	8.4	410-95-84ST
	10.5	410-95-105ST
	13.0	410-95-130ST
	17.0	410-95-170ST



Copper Pin Terminals

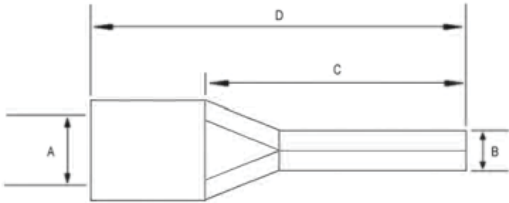
	Cond. Size (mm²)	A	B	C	D	Stock Code
	Dimensions (mm)					
	10	10	13	6.2	3.8	410-10USP
	16	13	17	7.1	3.8	410-16USP
	25	20	17	9.0	5.0	410-25USP
	35	20	17	10.6	5.0	410-35USP
	50	20	21	12.4	7.5	410-50USP
	70	20	23	14.7	8.0	410-70USP
	95	20	26	17.5	8.0	410-95USP
	120	25	25	19.4	11.5	410-120USP
	150	32	32	21.5	11.5	410-150USP
	185	32	32	24.0	11.5	410-185USP
	240	32	32	27.3	15.6	410-240USP
	300	32	32	30.6	15.6	410-300USP

Material: Electrolytic Copper
Finish: Electro-Tin Plated



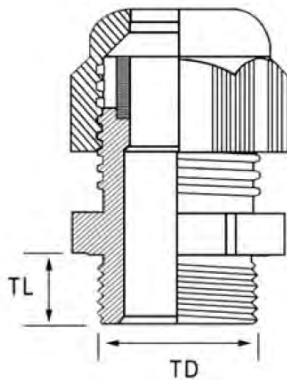
	Un-Insulated Reducing Pin Terminal	Cond. Size (mm²)	A	B	C	D	Stock Code
	Dimensions (mm)						
		10	4.8	4.3	14.5	23.5	410-10UP
		16	5.9	5.5	18.0	28.0	410-16UP
		25	7.0	7.0	20.3	32.0	410-25UP
		35	8.9	8.0	24.5	39.0	410-35UP
		50	10.0	9.5	26.0	45.0	410-50UP
		70	11.5	11.0	31.0	55.0	410-70UP

Material: Electrolytic Copper
Finish: Electro-Tin Plated



Cable Glands

Material	Polyamide 6 (halogen free) Trade name: Ultramid B
Protection Class	IP68 5 bar
Temperature Range	-30°C to +80°C
Operation Temperature	Up to +150°C intermittent
Seal	Neoprene
Approvals	Underwriters Laboratories (UL Approval) Cert. no: E178501 (N) Canadian Standards (CSA Approval) Cert. no: 1454383 VDE Approval DIN EN 50262 (VDE 0619)
Properties	Gross density DIN 53457: 1.14g/cm ³
Chemical Characteristics	Acids - high concentrate (Conditionally resistant) Acids - low concentrate Fuel DIN gasoline/super Fuel DIN diesel Mineral Oil Vegetable oils and fats Leys - low and high concentrate



CG/LNM Glands supplied with washer & locknut.
Locknuts available separately.

Mechanical Values (at 23°C)

Tensile Strength	DIN 53455	50N/mm ²
Bending Stress Limit	DIN 53455	130Nmm ²
Notch Impact Strength	DIN 53455	No Break

Thermal Values

Heat Mould Resistance	180°C
Permanent Working Temperature	80 - 100°C
Cold Mould Resistance	-30 -40

Electric Values (at 23°C)

Dielectric Strength	DIN 53455	100 - 150 Kv/m
Surface Resistance	DIN 53455	10 ¹⁰ Ohm

Unit of Supply	TD (mm)	TL (mm)	 (mm)	Clamping Range (mm)	Recom. Cap Tightening Torque (Nm)	Stock Code*
50	12	8	15	3.0 - 6.5	1.7	420-CGLNM12
50	16	10	22	5.0 - 10.0	2.5	420-CGLNM16
50	20	10	24	6.0 - 12.0	2.5	420-CGLNM20S
50	20	10	27	10.0 - 14.0	3.3	420-CGLNM20
50	20	15	27	10.0 - 14.0	3.3	420-CGLNM20LLT
25	25	10	33	13.0 - 18.0	5.0	420-CGLNM25
25	32	18	42	18.0 - 25.0	11.0	420-CGLNM32
Each	40	18	53	22.0 - 32.0	12.0	420-CGLNM40
Each	50	18	60	30.0 - 38.0	12.0	420-CGLNM50
Each	63	18	65	34.0 - 44.0	12.0	420-CGLNM63

***Specify Colour Required**

Standard Colours: Black (RAL 9005), Dark Grey (RAL 7001), Light Grey (RAL 7035), White (RAL 9003), Red (RAL 53025), Blue (RAL 5015). Colours are limited on certain sizes.

Flooring Cable Covers

62mm x 15mm	Colour	Length	Hole Size	Stock Code
	Black	3m	7.5mm	425-CC6215B
	Grey	3m	7.5mm	425-CC6215G
The split base of this profile enables rapid covering of existing cables.				
62mm x 12mm	Colour	Length	Hole Size	Stock Code
	Black	3m	16 x 18mm	425-CC6712B
	Grey	3m	16 x 18mm	425-CC6712G
The Perfect solution for covering up 4 voice leads.				
80mm x 18mm	Colour	Length	Hole Size	Stock Code
	Black	3m	30 x 10mm	425-CC8018B
	Grey	3m	30 x 10mm	425-CC8018G
Ideal for applications where a number of cables need to be made safe. Has 2 further 6mm holes that will take Cat5e cable.				
81mm x 15mm	Colour	Length	Hole Size	Stock Code
	Black	3m	11mm	425-CC8115B
	Grey	3m	11mm	425-CC8115G
For use when separation of 2 cables such as data and voice is required.				
93mm x 19mm	Colour	Length	Hole Size	Stock Code
	Black	3m	16 x 10mm	425-CC9319B
	Grey	3m	16 x 10mm	425-CC9319G
2 oblong channels which offers increased capacity of separate cables.				
110mm x 20mm	Colour	Length	Hole Size	Stock Code
	Black	3m	32+16 x 12mm	425-CC1120B
	Grey	3m	32+16 x 12mm	425-CC1120G
Ideal for networking applications where capacity for cable is unequal.				
Clear Flexible 80mm x 18mm	Colour	Length	Hole Size	Stock Code
	Clear	3m	30 x 10mm	425-CRYSTAL
	Ideal for an application where the type of cable inserted can be seen.			

Flooring Cable Covers

Hazard Cable Cover 80mm x 18mm**Colour**

Black

Length

3m

Hole Size

30 x 10mm

Stock Code

425-CCHBY

The 'Hazard' cable cover is designed to be both eye catching and functional. It is black in colour with yellow stripes along the top. These stripes are a permanent feature and cannot be removed or pulled off.

**Rigid Cable Cover****Size**

64 x 14mm

Length

1m

Hole Size

28 x 9mm

Stock Code

425-CCRSC2

85 x 20mm

1m

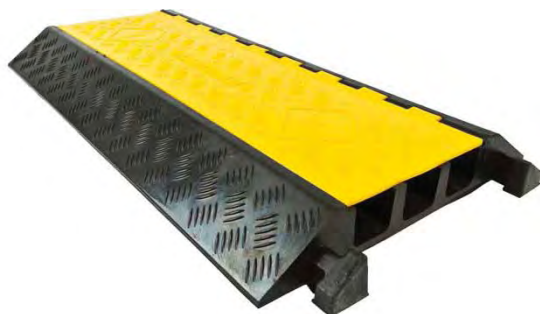
21 x 15mm

425-CCRDC2

Rigid cable covers come in 2 pieces. Consisting of an adhesive base & clip-on lid, and enable a more permanent installation.

Available in a single or double cover they are ideal for use around desks or on flooring.

Installation is simple. Fix the base to the floor, wall or desk using screws or the double sided tape ready applied. Place the cables in the base then push the cover firmly until it 'clicks' into place.

Heavy Duty Cable Protector System**Size**

75 x 600mm

Length

1m

Cable Channels

3 @ 55 x 65 mm

Stock Code

425-HDCPS

- Works as both a speed ramp and a cable protection system
- Instant cable protection for contracts work & outside events
- Heavy duty rubber mouldings interlink to form continuous ramped cable protection
- Hinged lid allows cables to be inserted after ramps are in position
- Robust design withstands passage of heavy goods traffic
- Quick and easy to install, linked sections normally require no ground fixings
- Bolt holes provided for more permanent installations
- Suitable for vehicle loads of up to 6,000kgs



Everbuild General Purpose Silicone 310ml

EVERBUILD GENERAL PURPOSE SILICONE is a Multi-Purpose acetoxycure silicone sealant that cures quickly to provide a permanently flexible, high strength waterproof seal. It contains a powerful anti-fungicide to prevent mould growth.

Benefits:

- Permanently flexible.
- Anti-fungal formula - prevents mould growth.
- Quick curing - low dirt pick up.
- Low viscosity for fast application

Areas for Use:

- Sealing glass to glass.
- Sealing glass to aluminium and metal sealing.
- Sealing around baths, showers, basins and other sanitary ware.
- As an adhesive for fixing Pvcu trims, cladding and panels.
- Sealing around worktops and laminates.
- Cap glazing to metal, timber and Pvcu window frames, and pointing around window and door Frames.
- For aluminium gutter sealing.
- General draught proofing.

Colour	Stock Code
Clear	408-SILICONEGP-C
White	408-SILICONEGP-W
Brown	408-SILICONEGP-BR
Black	408-SILICONEGP-BK
Grey	408-SILICONEGP-GY



Soudal PU Foam & Adhesives

Multi-Purpose Silicone - 300ml - White**Stock Code** 408-116711

Soudal 116711

- Acetoxy silicone sealant that cures to form a flexible, durable weathertight seal on many common building surfaces, including glass, metals, wood and ceramic tiles
- Contains a fungicide that resists mould growth

Multi-Purpose Silicone - 300ml - Clear**Stock Code** 408-116712

Soudal 116712

- Acetoxy silicone sealant that cures to form a flexible, durable weathertight seal on many common building surfaces, including glass, metals, wood and ceramic tiles
- Contains a fungicide that resists mould growth

Soudafoam B3 - 750ml Expanding Foam**Stock Code** 408-118837

Soudal 118837

- Excellent adhesion on most substrates
- High thermal insulation (fire class DIN 4102 B3)
- High acoustical insulation (acoustic rating - 58 dB)
- Very good filling capacities
- Excellent mounting capacities
- Excellent stability (no shrink or post expansion)

Soudafoam B3 - 750ml**Stock Code** 408-104193

Soudal 104193

- Excellent adhesion on most substrates
- High thermal insulation (fire class DIN 4102 B3)
- High acoustical insulation (acoustic rating - 58 dB)
- Very good filling capacities
- Excellent mounting capacities
- Excellent stability (no shrink or post expansion)

Fix-All High Tack - 290ml - White**Stock Code** 408-101444

Soudal 101444

- Outstanding bond strength on nearly all surfaces
- High performance mechanical properties
- Very easy to tool and finish
- Good extrudability even at low temperatures

Fix All High Tack - 290ml - Black**Stock Code** 408-101459

Soudal 101459

- Outstanding bond strength on nearly all surfaces
- High performance mechanical properties
- Very easy to tool and finish
- Good extrudability even at low temperatures

Fix All High Tack - 290ml - Crystal**Stock Code** 408-118779

Soudal 118779

- Outstanding bond strength on nearly all surfaces
- High performance mechanical properties
- Very easy to tool and finish
- Good extrudability even at low temperatures

Decorators Caulk**Stock Code** 408-116729

Soudal 116729

- Paintable acrylic sealant

Soudal 125935**Stock Code** 408-125935

Soudal T Rex Grab Adhesive (Solvent Based)

- Fibre reinforced gran adhesive
- Extreme initial grab and final strength

Soudal 126781**Stock Code** 408-126781

Soudal T Rex Grab Adhesive (Solvent Free)

- Fibre reinforced gran adhesive
- Extreme initial grab and final strength



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