



WELCOME TO TRANSFIBRES

Dedicated to superior quality, we operate with one of the most advanced fibre optic assembly factories in China. Manufactured in an ISO9001 approved facility, all our products are RoHS & REACH compliant and are conforming to IEC, TIA/EIA and Telcordia specifications.

With an international technical support and customer service team, we offer extensive added-value services including product design & project .

CONTACT US

Company Name: Transfibres Sàrl

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Products/Services we offer:

Fibre Optics Cables, Connectors, Couplers, Patchcords & Pigtails,
Mode Conditioning Patchcords, Cable Management, Optical Transmission
Products, Copper Solutions

Business Type: Manufacturer Industry

Markets: Worldwide



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TransFibres fibre optic assemblies are manufactured in state of the art facilities using the best components. All terminations pass 400x visual inspection, insertion and return loss test. We provide full tracability and a test certification is supplied with each assembly.

Our patchcords are telcordia and RoHS compliant. They are made for a high degree of flexibility and customization. We support most connectors, fibre types, cable diameters and colors. We can provide custom packaging to your specification.

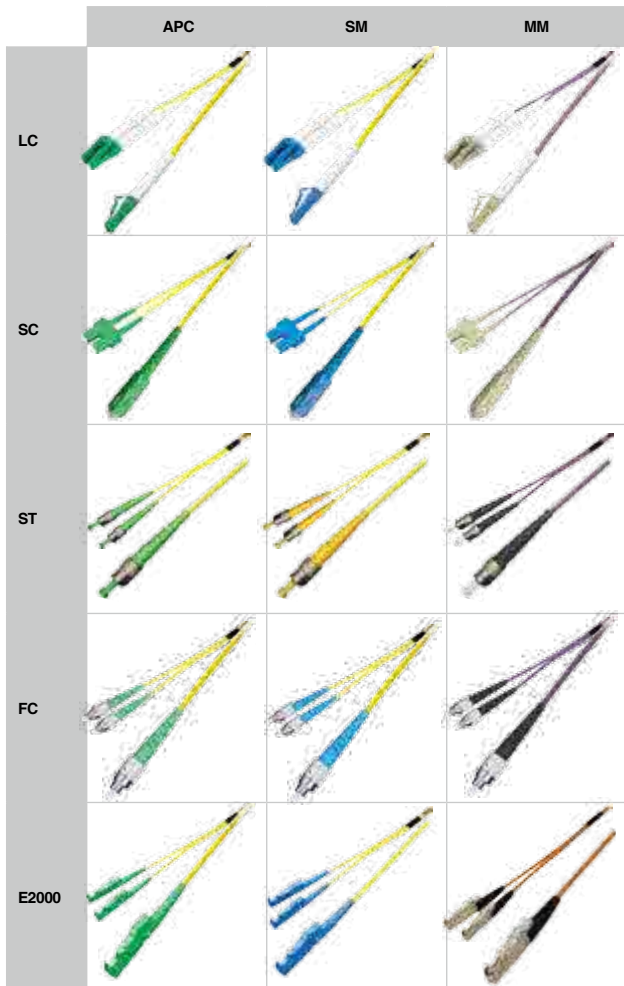
Our products are designed to offer high performance and exceed industry standards. In addition, TransFibres offers different levels of optical performances to meet customer requirements.

PRODUCT PACKAGING

Each patchcord is packaged individually and individually identified for traceability, a test certificate is supplied for each assembly.

OPTICAL PERFORMANCE (MULTIMODE)		OPTICAL PERFORMANCE (SINGLEMODE)	
Insertion loss		Insertion loss	Return Loss
Max. 0.3 dB		Max. 0.3 dB	UPC better than 50 dB
Typical 0.15 dB		Typical 0.15 dB	APC better than 60 dB

PATCHCORDS - PICTURES



FEATURES

- ▲ Multimode & singlemode connectors SC, FC, ST, LC, MU, MTRJ, E2000
- ▲ Ultra polished connectors(UPC) and angle polished connectors(APC)
- ▲ Full tracability & test certificate supplied with each assembly
- ▲ 100% tested for Insertion loss and return loss

OPTIONS

- ▲ Bend insensitive fibres G657A/B
- ▲ OM4 fibres 10 Gigs at 550 meters
- ▲ Any color of cable jacket and connectors available
- ▲ Printing on cable
- ▲ Private labeling OEM packaging
- ▲ OFNP plenum jacket

PN GENERATOR

PATCH CORD						
	FIBRE TYPE	OD	CLIPS	CONNECTOR A	CONNECTOR B	LENGTH
FPC	1=G657A1	2=2mm	C=Clip on Connector A	SC/PC=SC UPC	SC/PC=SC UPC	01.0 m= 1 mtr
	2=G657A2	3=3mm	A=Clip Both Side	LC/PC=LC UPC	LC/PC=LC UPC	02.0 m= 2 mtr
	3=OM3	9=900µm	U=Uniboot	ST/PC=ST UPC	ST/PC=ST UPC	03.0 m= 3 mtr
	4=OM4	B=Braid (Armoured)	S=Simplex	FC/PC=FC UPC	FC/PC=FC UPC	....
	5=OM2	F=Flat Duplex	D=Duplex	E2/PC=E2000 UPC	E2/PC=E2000 UPC	
	6=OM1	R=Round Duplex		SC/AP=SC APC	SC/AP=SC APC	
	9=OS2			LC/AP=LC APC	LC/AP=LC APC	
				FC/AP=FC APC	FC/AP=FC APC	
				E2/AP=E2000 APC	E2/AP=E2000 APC	

Example Part Number: FPC-92C-ST/PC-LC/PC-02.0M



TransFibres fibre optic assemblies are manufactured in state of the art facilities using the best components. All terminations pass 400x visual inspection, insertion and return loss test. We provide full tracability and a test certification is supplied with each assembly.

Our patchcords are telcordia and RoHS compliant. They are made for a high degree of flexibility and customization. We support most connectors, fibre types, cable diameters and colors. We can provide custom packaging to your specification.

Our products are designed to offer high performance and exceed industry standards. In addition, TransFibres offers different levels of optical performances to meet customer requirements.

PRODUCT PACKAGING

Each patchcord is packaged individually and individually identified for traceability, a test certificate is supplied for each assembly.

OPTICAL PERFORMANCE (MULTIMODE)		OPTICAL PERFORMANCE (SINGLEMODE)	
Insertion loss		Insertion loss	Return Loss
Max. 0.3 dB		Max. 0.3 dB	UPC better than 50 dB
Typical 0.15 dB		Typical 0.15 dB	APC better than 60 dB

ANGLE PATCHCORDS - PICTURES



FEATURES

- △ Multimode & singlemode connectors SC, LC
- △ Ultra polished connectors(UPC) and angle polished connectors(APC)
- △ Full tracability & test certificate supplied with each assembly
- △ 100% tested for Insertion loss and return loss

OPTIONS

- △ Bend insensitive fibres G657A/B
- △ OM4 fibres 10 Gigs at 550 meters
- △ Any color of cable jacket and connectors available
- △ Printing on cable
- △ Private labeling OEM packaging
- △ OFNP plenum jacket

PN GENERATOR

PATCH CORD						
	FIBRE TYPE	OD	CLIPS	CONNECTOR A	CONNECTOR B	LENGTH
FPC	1=G657A1	2=2mm	C=Clip on Connector A	SC/PC=SC UPC	SC/PC=SC UPC	01.0 m= 1 mtr
	2=G657A2	3=3mm	A=Clip Both Side	LC/PC=LC UPC	LC/PC=LC UPC	02.0 m= 2 mtr
	3=OM3	B=Braid (Armoured)	U=Uniboot	SC/AP=SC APC	SC/AP=SC APC	03.0 m= 3 mtr
	4=OM4	F=Flat Duplex	S=Simplex	LC/AP=LC APC	LC/AP=LC APC	....
	5=OM2	R=Round Duplex	D=Duplex			
	6=OM1		R=Right Angle Boot			
	9=OS2					

Example Part Number: FPC-92R-LC/PC-LC/PC-0.20M

**BEND
INSENSITIVE
FIBRE AVAILABLE**



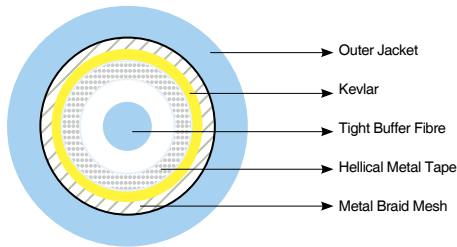
TransFibres armoured patch cords are used in customer premises, central offices and in harsh environments. The patch cords provide flexible interconnection to active equipment, passive optical devices and cross-connects. Armoured patch cords are constructed with an helical stainless steel tape over a buffered fibre surrounded by a layer of aramid and stainless steel mesh with an outer jacket.

Our patch cords are terminated with our standard range of connectors, all quality tested to meet our and international standards.

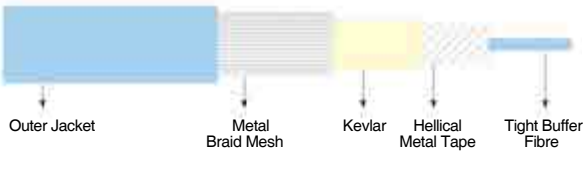
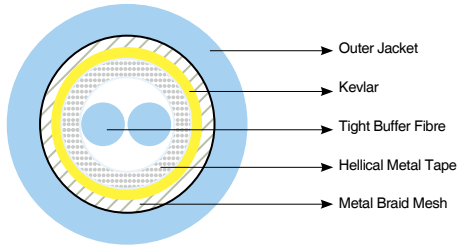
ARMoured PATCH CORDS



Simplex patchcord armoured



Duplex patchcord armoured



FEATURES

- ▲ SC, LC, ST and FC connectors
- ▲ Available in low smoke zero halogen (LSZH) jacket
- ▲ Conforms to IEC, EIA-TIA or Telcordia performance requirements
- ▲ Available in different fibre types
- ▲ Available in standard and customized lengths
- ▲ REACH, SvHC and RoHS materials compliant

Applications

- ▲ CATV / VIDEO
- ▲ Passive Optical Network PON
- ▲ FTTH
- ▲ ATM, SONET and WDM
- ▲ Military applications

PN GENERATOR

ARMoured PATCH CORD						
	FIBRE TYPE	OD	CLIPS	CONNECTOR A	CONNECTOR B	LENGTH
APC	1=G657A1	2=2mm	C=Clip on Connector A	SC/PC=SC UPC	SC/PC=SC UPC	01.0 m= 1 mtr
	2=G657A2	3=3mm	A=Clip Both Side	LC/PC=LC UPC	LC/PC=LC UPC	02.0 m= 2 mtr
	3=OM3		S=Simplex	ST/PC=ST UPC	ST/PC=ST UPC	03.0 m= 3 mtr
	4=OM4		D=Duplex	FC/PC=FC UPC	FC/PC=FC UPC	....
	5=OM2			E2/PC=E2000 UPC	E2/PC=E2000 UPC	
	6=OM1			SC/AP=SC APC	SC/AP=SC APC	
	9=OS2			LC/AP=LC APC	LC/AP=LC APC	
				FC/AP=FC APC	FC/AP=FC APC	
				E2/AP=E2000 APC	E2/AP=E2000 APC	

Example Part Number: APC-33D-SC/PC-SC/PC-03.0M

TransFibres produce fibre optic pigtails with various types of connectors and all available standard fibre types.

PRODUCT PACKAGING

Each pigtail is packaged individually and individually identified for traceability, a test certificate is supplied for each assembly.

OPTICAL PERFORMANCE (MULTIMODE)		OPTICAL PERFORMANCE (SINGLEMODE)	
Insertion loss		Insertion loss	Return Loss
Max. 0.3 dB		Max. 0.3 dB	UPC better than 50 dB
Typical 0.15 dB		Typical 0.15 dB	APC better than 60 dB

PIGTAIL

	APC	SM	MM
LC			
SC			
ST			
FC			
E2000			
MTRJ			

FEATURES

- △ Multimode & singlemode connectors SC, FC, ST, LC, MU, MTRJ, E2000
- △ Ultra polished connectors UPC and angle polished connectors APC
- △ Full tracability & test certificate supplied with each assembly
- △ 100% tested for Insertion loss and return loss

OPTIONS

- △ Bend insensitive fibres G657A/B
- △ OM4 fibres 10 Gigs at 550 meters
- △ Any color of cable jacket and connectors available
- △ Printing on cable
- △ Private labeling OEM packaging
- △ OFNP plenum jacket

BLISTER PACK RAINBOW COLOR PIGTAILS



PN GENERATOR

PIGTAIL					
	FIBRE TYPE	OD	S	CONNECTOR	LENGTH
FPT	1=G657A1 2=G657A2 3=OM3 4=OM4 5=OM2 6=OM1 9=OS2	2=2mm 3=3mm 9=900µm	S=Simplex	SC/PC=SC UPC LC/PC=LC UPC ST/PC=ST UPC FC/PC=FC UPC E2/PC=E2000 UPC SC/AP=SC APC LC/AP=LC APC FC/AP=FC APC E2/AP=E2000 APC	01.0 m= 1 mtr 02.0 m= 2 mtr 03.0 m= 3 mtr

Example Part Number: FPT-59S-E2/AP-01.0M

**BEND
INSENSITIVE
FIBRE AVAILABLE**



TransFibres mode conditioning patchcords are specifically designed for launching your gigabit signal into a conventional 62.5/125 or 50/125 fibre with very high bandwidth. The TransFibres mode conditioning patchcords can improve the transmission bandwidth by 3 to 4 times and greatly reduce modal noise.

PRODUCT PACKAGING

Each mode conditioning patchcord is packaged individually and individually identified for traceability, a test certificate is supplied for each assembly.

DESCRIPTION	62.5/125	50/125
Operating wavelength	1310nm	
Maximum insertion loss	0.5dB	
Coupled power ratio(CPR)	28 to 40dB	12 to 20 dB
Back reflection	S/M channel: 30dB M/M channel: 20dB	
Connector finish	PC or APC	
Sheath color	Orange (Yellow for SM leg)	

PATCHCORDS

Mode Conditioning Principle

CONNECTORS AVAILABLE

- △ Types: FC, FC/APC, ST, SC, SC/APC, LC, MTRJ, MU
- △ Length: 2m ± 10mm (Other lengths available to order)
- △ A test certificate is supplied for each assembly

PN GENERATOR

MODE CONDITIONING PATCH CORD						
MPC	FIBRE TYPE	OD	CLIPS	CONNECTOR A	CONNECTOR B	LENGTH
5=OM2	2=2mm	C=Clip on	SC/PC=SC UPC	SC/PC=SC UPC	01.0 m= 1 mtr	
6=OM1	3=3mm	Connector A	LC/PC=LC UPC	LC/PC=LC UPC	02.0 m= 2 mtr	
	9=900µm	A=Clip Both Side	ST/PC=ST UPC	ST/PC=ST UPC	03.0 m= 3 mtr	
	B=Braid	U=Uniboot	FC/PC=FC UPC	FC/PC=FC UPC	....
	(Armoured)	S=Simplex	E2/PC=E2000 UPC	E2/PC=E2000 UPC		
	F=Flat Duplex	D=Duplex	SC/AP=SC APC	SC/AP=SC APC		
	R=Round		LC/AP=LC APC	LC/AP=LC APC		
	Duplex		FC/AP=FC APC	FC/AP=FC APC		
			E2/AP=E2000 APC	E2/AP=E2000 APC		

Example Part Number: MPC-52C-LC/PC-ST/PC-03.0M

ATTENUATED PATCHCORDS

TransFibres high performance attenuated patchcords are used to attenuate the optic signal in a link. These patchcords can be installed in place of conventional patchcords to provide a constant level of attenuation with a return loss of >50 dB.

The attenuated patchcord is used to replace the conventional cable assembly and attenuator combination. It is a compact, multi purpose passive device designed to operate at the 1310 and 1550nm wavelengths. Attenuated patchcords can be provided with a variety of connector styles including SC, ST and FC to meet your requirements.

ATTENUATED PATCHCORD



FEATURES

- △ Provides the functions of attenuator and cable assembly simultaneously
- △ Low back reflection
- △ 100% insertion loss testing
- △ Many connector varieties available
- △ Conforms to the requirements of EIA/TIA standards
- △ Inexpensive and compact

Applications

- △ Telecommunication networks
- △ CATV
- △ LAN and WAN
- △ Available attenuation (1.0 To 20 dB with 1dB increments)

PN GENERATOR

ATTENUATED PATCH CORD				
	CONNECTOR A	CONNECTOR B	ATTENUATION	LENGTH
FAT	SC/PC=SC UPC	SC/PC=SC UPC	01 dB=1dB	01.0 m= 1 mtr
	LC/PC=LC UPC	LC/PC=LC UPC	02 dB=2dB	02.0 m= 2 mtr
	ST/PC=ST UPC	ST/PC=ST UPC	03 dB=3dB	03.0 m= 3 mtr
	FC/PC=FC UPC	FC/PC=FC UPC	04 dB=4dB	....
	E2/PC=E2000 UPC	E2/PC=E2000 UPC	.....
	SC/AP=SC APC	SC/AP=SC APC		
	LC/AP=LC APC	LC/AP=LC APC		
	FC/AP=FC APC	FC/AP=FC APC		
	E2/AP=E2000 APC	E2/AP=E2000 APC		

Example Part Number: FAT-SC/PC-05DB-02.0M

Adopting advanced attenuation fibre technology, TransFibres plug-in type fixed value attenuators feature high power endurance and low back reflection, suitable for high speed digital transmission and analog applications. Available in singlemode or multimode, FC, SC, ST, LC and MU type.

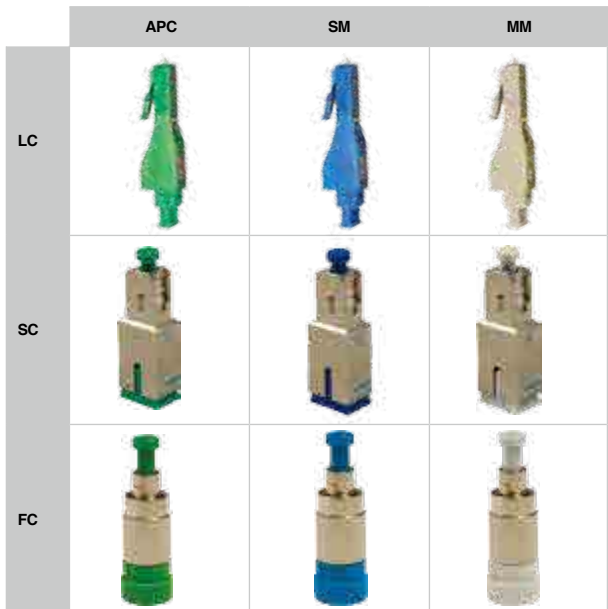
The TransFibres optic attenuators are manufactured using the best quality components.

PRODUCT PACKAGING

Each attenuator is packaged individually.

DIMENSIONS		
FC 10mm (OD) x 30mm (L)	SC 35mm (L) x 12.7mm (W) x 9.5mm (D)	LC 33mm (L) x 6mm (W) x 10mm (D)
REFLECTANCE		
UPC ≥ 55dB		
ATTENUATION TOLERANCE		
± 0.5dB (Attenuation ≤ 5dB) 10% (6 dB ≤ Attenuation ≤ 30 dB)		
INTERNATIONAL STANDARD		
Telcordia GR-910-CORE SC / FC / LC / MU 1 to 30dB with 1dB increments (or custom attenuation within this range) 1310nm and 1550nm (or single wavelength) Digital band 1260-1360nm and 1430-1580nm(BellcoreSpec.) S + C + L band 1480-1610nm Special bandpass 1310±25nm and 1470-1610nm Single window 1280-1340nm or 1510-1590nm Dual window 1310 and 1550nm (±25nm)		

ATTENUATORS



FEATURES

- △ Plug-in type package
- △ Accurate attenuation
- △ Ultra low back reflection
- △ Broad wavelength band
- △ Flat response over all wavelengths
- △ Environmentally stable

Applications

- △ Telecommunication networks
- △ Fibre optic sensors
- △ Test and measurement
- △ CATV
- △ LAN and WAN
- △ FTTx
- △ Attenuation values available

COLLIMATOR VARIABLE OPTIC ATTENUATOR (VOA)



PN GENERATOR

ATTENUATOR		
	CONNECTOR	ATTENUATION
FAT	SC/PC=SC UPC	01 dB=1 dB
	LC/PC=LC UPC	02 dB=2dB
	ST/PC=ST UPC	03 dB=3dB
	FC/PC=FC UPC	04 dB=4dB
	E2/PC=E2000 UPC	.....
	SC/AP=SC APC	
	LC/AP=LC APC	
	FC/AP=FC APC	
	E2/AP=E2000 APC	

Example Part Number: FAT-SC/PC-05DB

An optical fibre adapter or uniter is used to mate two connectors together, usually mounted in a distribution panel or wall box.

TransFibres optical fibre adapters are precision made to ensure the perfect alignment of connectors, reducing insertion loss. In most cases the sleeve is the critical part of the system that aligns the ferrule parts of the connectors, keeping the fibres in perfect alignment.

Generally there are 2 types of alignment sleeve within an adapter, phosphor bronze for multimode or zirconia (ceramic) for singlemode.

In the case of the MT-RJ and MTP™/MPO the alignment is carried out by two guide pins fitted to one of the connectors. The adapter is purely to support and lock the connectors together in the distribution panel or wall box.

FEATURES

- ▲ Complies with IEC 61754- 25
- ▲ Available as FC, SC, ST, LC, MT-RJ and MTP™/MPO
- ▲ Available in simplex, duplex, quad (LC) and hybrid versions
- ▲ High precision zirconia or standard phosphor bronze sleeves
- ▲ Low insertion loss
- ▲ High repeatability and stability
- ▲ RoHS, REACH compliant

ADAPTERS

		APC	SM	MM
LC	Simplex			
	Duplex			
	Quad			
SC	Simplex			
	Duplex			
ST				
FC				
E2000				
	MTRJ	MTP™/MPO	HYBRID L ADAPTOR	
OTHER				

	CERAMIC	PHOSPHOR BRONZE	CONFORMANCE
Insertion Loss (Typ)	0.1 dB	0.15 dB	IEC 61300-3-4
Mating Durability	500		IEC 61300-2-2
Receptacle Retention force	1N - 2.5N		IEC 61754-20
Operating temperature	-25 to +70, 12 cycles		IEC 61300-2-22

PN GENERATOR

ADAPTER						
	MODE	PORT NO.	FLANGE	ADAPTERS	COLOR	PACKAGING
FAD	S=Single Mode M=Multi Mode	S=Simplex D=Duplex Q=Quad	F=with flange N=without flange	SC/PC=SC UPC LC/PC=LC UPC ST/PC=ST UPC FC/PC=FC UPC E2/PC=E2000 UPC SC/AP=SC APC LC/AP=LC APC FC/AP=FC APC E2/AP=E2000 APC	BU=Blue GN=Green BE=Beige AQ=Aqua EV=Erika Violet	S=Single piece B=Blister box, 25 pcs

Example Part Number: FAD-M-D-F-SC/PC-BU-S

TransFibres fibre optic connectors are manufactured using the best quality ferrules & components.

PRODUCT PACKAGING

Standard packaging: 100pcs bulk packed, special packaging available by request .

OPTIONS

Connector versions available for : 3mm cable, 2mm cable and 900µm buffered fibre.

OPTIC PERFORMANCE (MULTIMODE)		OPTIC PERFORMANCE (SINGLEMODE)	
Insertion loss Max. 0.3 dB Typical 0.15 dB	Insertion loss Max. 0.3 dB Typical 0.2 dB	Return Loss UPC>50dB Typical 55dB APC>60dB Typical 65 dB	
INTERMATEABILITY			
Optically and mechanically compatible with all equivalent connectors. (Compliant with IEC 61754-13)			
MECHANICAL			
Capillary diameter tolerance: SM-126 ± 0.5µm MM-127 ± 0.5µm	Ferrule diameter: 2.5 ± 0.001mm Pre-radiused, PC-end finish for physical contact ferrule to ferrule. R 10 to 25mm	Tensile strength Cable retention: >50N (2&3mm boot versions only)	

CONNECTORS



FEATURES

- ▲ All types of connectors available: SC / LC / FC / ST / MT-RJ / MU / E2000 / MPO
- ▲ Superior qualified standard: PC / UPC / APC polishing
- ▲ 0.9mm, 2.0mm and 3.0mm housing and boot available
- ▲ Different type housing and boot for your choice.
- ▲ Single mode (9 / 125) or multimode (50 / 125 or 62.5 / 125)
- ▲ Simplex / Duplex Connector available
- ▲ 100% optic test (insertion loss and return loss)
- ▲ Connectors can be supplied as a pre-assembled one-piece or as a connector Kits
- ▲ Clips are available for duplex connectors for SC and LC
- ▲ RoHS, REACH SvHC compliant

PN GENERATOR

CONNECTOR	BOOTH	MODE	PORT NO.	CONNECTOR	PACKAGING
NFC	2=2mm 3=3mm 9=900µm	S=Single Mode M=Multi Mode	S=Simplex D=Duplex	SC/PC=SC UPC LC/PC=LC UPC ST/PC=ST UPC FC/PC=FC UPC E2/PC=E2000 UPC SC/AP=SC APC LC/AP=LC APC FC/AP=FC APC E2/AP=E2000 APC	S=Single piece B=Bulk pack of 100 pcs
Example Part Number: NFC-3MD-SC/PC-S					

FIELD INSTALLABLE CONNECTORS

TransFibres type field-installable connectors make fibre terminations fast, easy and reliable. These fibre Optic connectors offer terminations in less than five seconds without any hassles and require no epoxy, polishing or crimping. The FIC greatly reduces the installation and set up time. It also has a small window feature to see the light escaping while using a visual fault locator.

DESCRIPTION	
Fibre Type	Singlemode and Multimode
Insertion Loss	≤ 0.4dB (Typical)
Reflectance	≥ 50dB
Polishing Type	UPC and APC

FIELD INSTALLABLE CONNECTORS

		900µm	2.0MM	3.0MM
LC	APC			
	SM			
	MM			
SC	APC			
	SM			
	MM			

PN GENERATOR

FIC CONNECTOR			
	BOOTH	FIBRE TYPE	CONNECTOR
FFC	2=2mm	3=OM3	SC/PC=SC UPC
	3=3mm	4=OM4	LC/PC=LC UPC
	9=900µm	5=OM2	ST/PC=ST UPC
		6=OM1	FC/PC=FC UPC
	9=OS2	E2/PC=E2000 UPC	
		SC/AP=SC APC	
		LC/AP=LC APC	
		FC/AP=FC APC	
		E2/AP=E2000 APC	

Example Part Number: FFC-3-2-LC/PC

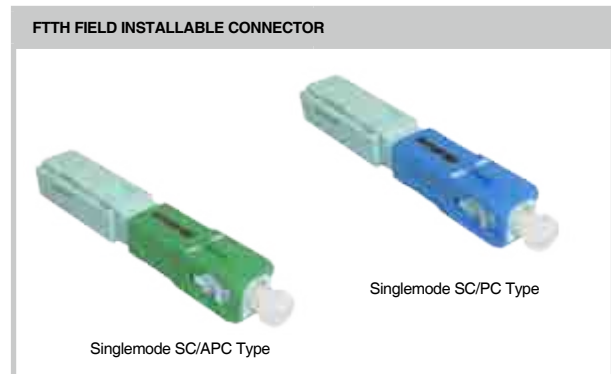
FEATURES

- △ Available in singlemode and multimode
- △ Durable, reliable and superior optical performance
- △ Compatible with standard SC , LC connectors
- △ Round type, flat type, figure 8 type, aerial drop cable, air blown cable 900µm/2.0mm/3.0mm
- △ Packaging comes with a cable/buffer stripping template
- △ Complies with IEC, EIA/TIA and telecordia standards
- △ Fibre preparation kit available

APPLICATIONS

- △ Fibre optic telecommunication
- △ Fibre distribution frame
- △ FTTH outlets
- △ Optical cable interconnection
- △ Cable Television

FTTH FIELD INSTALLABLE CONNECTOR



ITEM	SPECIFICATION
IL	Average: ≤0.2dB, Max: ≤0.4dB
RL	PC: ≥40dB, APC: ≥55dB
Assembly Time	≤3 minutes
Maximum usage	5 times
First Pass Yield	≥ 97%
Tensile Strength	≥30N (Bow-type drop cable)
Operation Temperature	-40°C to +85°C
Life-span	≥30 Years

PRE-TERMINATED - PICTURES



FEATURES

- △ Pre-terminated cables are supplied as standard with a protective sleeve, pulling eye and cable gland
- △ Different cable constructions available (Tight Buffer, Break Out, Loose Tube).
- △ Multimode & singlemode connectors SC, FC, ST, LC, MU, MTRJ, E2000
- △ Ultra polished connectors (UPC) and angle polished connectors (APC)
- △ Full tracability & test certificate supplied with each assembly
- △ 100% tested for insertion loss and return loss

OPTIONS

- △ Bend insensitive fibres G657A/B
- △ OM4 fibres 10 Gigs at 550 meters
- △ Any color of cable jacket and connectors available
- △ Printing on cable
- △ Private labeling OEM packaging
- △ OFNP plenum jacket
- △ Armoured cable CST



PN GENERATOR

PRE-TERMINATED CABLES								
	CABLE TYPE	FIBRE COUNT	FIBRE TYPE	CLIPS	CONNECTOR A	CONNECTOR B	LENGTH	PULLING SYSTEM
FPT	MC=Micro Cable	2	1=G657A1	C=Clip on Connector A	SC/PC=SC UPC	SC/PC=SC UPC	01.0 m=1 mtr	S1=Side one
	TB=Tight Buffer	4	2=G657A2	A=Clip Both Side	LC/PC=LC UPC	LC/PC=LC UPC	02.0 m=2 mtr	S2=Side two
	BO=Breakout	6	3=OM3	U=Uniboot	ST/PC=ST UPC	ST/PC=ST UPC	03.0 m=3 mtr	2=Both sides
	LT=Loose Tube	12	4=OM4	S=Simplex	FC/PC=FC UPC	FC/PC=FC UPC	....	N=None
	STA=Steel Tape Armored	24	5=OM2	D=Duplex	E2/PC=E2000 UPC	E2/PC=E2000 UPC		
		48	6=OM1		SC/AP=SC APC	SC/AP=SC APC		
		...	9=OS2		LC/AP=LC APC	LC/AP=LC APC		
					FC/AP=FC APC	FC/AP=FC APC		
					E2/AP=E2000 APC	E2/AP=E2000 APC		

Example Part Number: FPT-MC-2-1-C-ST/PC-LC/PC-02.0M-N

MTP™/MPO Assemblies

TransFibres offers an extensive line of high-density MTP™/MPO multifibre solutions (MTP™/MPO cassettes, MTP™/MPO cable and fan-outs, Panels.)

The MTP™/MPO connector is the most compact connector available for multistrand fibre cables.

Specifications

CONNECTOR COMPLIES	IEC-61754-7 and TIA/EIA-604-5
INSERTION LOSS TYPICAL	0.3 dB
MAXIMUM	0.6 dB

MTP™/MPO Trunks

TransFibres Plug-and-Play MTP™/MPO Trunks provide the backbone cabling for the whole system.

These high count trunk cables come pre-terminated with 12 core MTP™/MPO connectors and provide an easy and efficient way to pull large numbers of fibres in only one cable (from 12 to 144 Fibres).

These trunks can be plugged into any MTP™/MPO cassette or Distribution frame.

They are fully compatible with any MTP™/MPO system on the market.

Features

- △ OS2, OM2, OM3, OM4 Fibres
- △ Constructed from ruggedised tight buffer fibre cable
- △ Microcore double jack, high crash resistant cable
- △ LSZH/PVC, Plenum available

MTP™/MPO Cassettes

Black cassette pre-assembled and ready to install (Plug & Play) Designed to fit modular sliding tray panel TRB/MP3.

Modular Patch Panel

19" 1U black sliding tray patch panel for 3 cassettes. Supports up to 36 SC connections with 3 MTP™/MPO links or 72 LC connections with 6 MTP™/MPO links.

MTP™/MPO SOLUTIONS - PICTURES



PN: MTF-3212L-MTPSF-SC/PC-02.0M



PN: MTC-912LA-MTPSF-MTPSF-30.0M



PN: MTM-312A-MTPSM-SC-PC



PN: SLM-3-P-E-B

**BEND
INSENSITIVE
FIBRE AVAILABLE**



TransFibres simplex fibre optic patch cable is ideal for use in office LAN connections, patchcords and internal point-to-point links where frequent handling is likely (e.g. data cabinets, equipment rooms, user outlets). TransFibres duplex fibre optic patch cable is constructed by joining two simplex units with a central web. It uses a single simplex 2.0mm or 3.0 mm fibre, OM1, OM2, OM3, OM4 multimode or OS1/OS2 (ITU-T G.652D), ITU-T G.657A1 & ITU-T G.657A2 singlemode. The fibre is 900µm in a tight-buffered internal cable surrounded by aramid strength members and a low smoke zero halogen (LSZH) or PVC jacket. The cable is suitable for use with industry standard connectors and can be easily made into a patchcord.

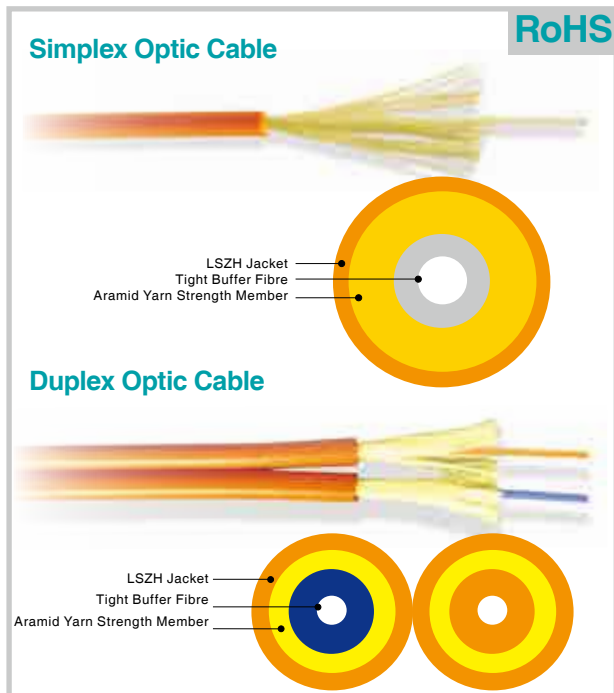
TECHNICAL CHARACTERISTICS

SIMPLEX CABLE						
Parameter	UOM	Value				
Outer diameter	mm	1.6	1.8	2.0	2.4	3.0
Insertion loss	dB/km	SM: ≤0.4@1310nm, ≤0.3@1550nm MM: ≤3.5@850nm, ≤1.5@1300nm				
Long term tensile strength	N	40	40	60	60	80
Short term tensile strength	N	80	80	100	100	150
Minimum static bending radius	mm	16	18	20	24	30
Minimum dynamic bending radius	mm	32	36	40	48	60
Long term crush resistance	N	100N/100mm				
Short term crush resistance	N	500N/100mm				
Storage temperature	°C	-20~+60				
Operating temperature	°C	-20~+60				
Cable weight	kg/km	2.9	3.2	3.5	5	6.8
Reel dimension (2km/reel)	WxDia. mm)	170x340		330x400		
Reel weight	kg	1.02		2.14		

APPLICATIONS

- △ Building to building interconnectivity
- △ Indoor distribution
- △ Connection between equipment

SIMPLEX & DUPLEX CABLE



FEATURES

- △ Choice of fibre type
- △ Choice of outer diameter
- △ High strength aramid yarn strength member
- △ Easy to strip
- △ Choice of outer sheath material
- △ Choice of outer sheath color
- △ Customized jacket print legend

DUPLEX CABLE					
Parameter	UOM	Value			
Outer diameter	mm	1.6x3.3	1.8x3.7	2.0x4.1	2.8x5.7
Insertion loss	dB/km	SM: ≤0.4@1310nm, ≤0.3@1550nm MM: ≤3.5@850nm, ≤1.5@1300nm			
Long term tensile strength	N	80	80	100	160
Short term tensile strength	N	160	160	200	300
Long term crush resistance	N	200N/100mm			
Short term crush resistance	N	1000N/100mm			
Storage temperature	°C	-20 ~ +60			
Operating temperature	°C	-20 ~ +60			
Cable weight	kg/km	5.7	6.7	8.2	13.2
Reel dimension	WxDia. (mm)	330x400 (2km/reel)		330x400 (1km/reel)	
Reel weight	kg	2.14		2.14	

OPTIONS

- △ Bend insensitive fibres G657A/B
- △ OM4 fibres 10 Gigs at 550 meters
- △ Any color of cable jacket
- △ Printing on cable
- △ OFNP plenum jacket

PN GENERATOR

SIMPLEX & DUPLEX CABLE						
FPC	FIBRE TYPE	OD	CLIPS	CONNECTOR A	CONNECTOR B	LENGTH
	1=G657A1	2=2mm	C=Clip on Connector A	SC/PC=SC UPC	SC/PC=SC UPC	01.0 m= 1 mtr
	2=G657A2	3=3mm	A=Clip Both Side	LC/PC=LC UPC	LC/PC=LC UPC	02.0 m= 2 mtr
	3=OM3	B=Braid (Armored)	U=Uniboot	ST/PC=ST UPC	ST/PC=ST UPC	03.0 m= 3 mtr
	4=OM4		S=Simplex	FC/PC=FC UPC	FC/PC=FC UPC	....
	5=OM2		D=Duplex	E2/PC=E2000 UPC	E2/PC=E2000 UPC	
	6=OM1			SC/AP=SC APC	SC/AP=SC APC	
	9=OS2			LC/AP=LC APC	LC/AP=LC APC	
				FC/AP=FC APC	FC/AP=FC APC	
				E2/AP=E2000 APC	E2/AP=E2000 APC	

Example Part Number: FPC-92C-LC/PC-ST/PC-0.2.0M



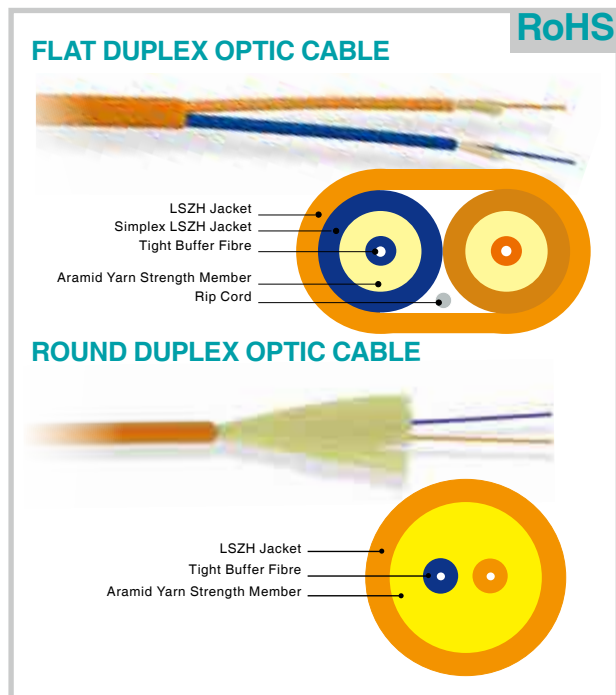
FLAT & ROUND DUPLEX CABLE

TransFibres flat duplex fibre optic patch cable is constructed with two simplex units encased in a low smoke zero halogen (LSZH) or PVC jacket. TransFibres round duplex fibre optic patch cable is constructed with two 900µm tight-buffered fibres protected by aramid yarns and a low smoke zero halogen (LSZH) or PVC jacket. Ideal for use in office LAN connections, patchcords and internal point-to-point links where frequent handling is likely (e.g. data cabinets, equipment rooms, user outlets). Utilising 2 fibres of 900µm tight buffered internal flat twin duplex cables with LSZH or PVC jacket and ripcord, the cable unit is suitable for use with industry standard connectors and can be easily made into a patchcord.

TECHNICAL CHARACTERISTICS

Parameter	UOM	ROUND DUPLEX CABLE		FLAT DUPLEX CABLE	
		Value			
Outer diameter	mm	3.0	5.0	3.0x5.0	3.8x6.6
Inner simplex cable diameter	mm	-	-	2.0	3.0
Insertion loss	dB/km	SM: ≤0.4@1310nm, ≤0.3@1550nm MM: ≤3.5@850nm, ≤1.5@1300nm			
Long term tensile strength	N	40	80	160	100
Short term tensile strength	N	80	160	300	200
Minimum static bending radius	mm	30	50	30	38
Minimum dynamic bending radius	mm	60	100	60	76
Long term crush resistance	N	100N/100mm		300N/100mm	
Short term crush resistance	N	500N/100mm		1000N/100mm	
Storage temperature	°C	-20~+60		-20~+60	
Operating temperature	°C	-20~+60		-5~+50	
Cable weight	kg/km	7.6	19	18	31
Reel dimension	WxDia. (mm)	330x400 (2km/reel)	445x600 (2km/reel)	445x600 (2km/reel)	445x600 (1km/reel)
Reel weight	Kg	2.14	6.82	6.82	6.82

FLAT & ROUND DUPLEX CABLE



FEATURES

- △ Choice of fibre type
- △ Choice of outer diameter
- △ High strength aramid yarn strength member
- △ Easy to strip
- △ Choice of outer sheath material
- △ Choice of outer sheath color
- △ Customized jacket print legend

OPTIONS

- △ Bend insensitive fibres G657A/B
- △ OM4 fibres 10 Gigs at 550 meters
- △ Any color of cable jacket
- △ Printing on cable
- △ OFNP plenum jacket

APPLICATIONS

- △ Indoor horizontal and vertical laying, direct connection to outdoor cables
- △ Connection between equipments

PN GENERATOR

FLAT & ROUND DUPLEX CABLE						
	FIBRE TYPE	OD	CLIPS	CONNECTOR A	CONNECTOR B	LENGTH
FPC	1=G657A1 2=G657A2 3=OM3 4=OM4 5=OM2 6=OM1 9=OS2	F=Flat Duplex R=Round Duplex	C=Clip on Connector A A=Clip Both Side U=Uniboot S=Simplex D=Duplex	SC/PC=SC UPC LC/PC=LC UPC ST/PC=ST UPC FC/PC=FC UPC E2/PC=E2000 UPC SC/AP=SC APC LC/AP=LC APC FC/AP=FC APC E2/AP=E2000 APC	SC/PC=SC UPC LC/PC=LC UPC ST/PC=ST UPC FC/PC=FC UPC E2/PC=E2000 UPC SC/AP=SC APC LC/AP=LC APC FC/AP=FC APC E2/AP=E2000 APC	01.0 m= 1 mtr 02.0 m= 2 mtr 03.0 m= 3 mtr

Example Part Number: FPC-9FC-LC/PC-ST/PC-0.2.0M

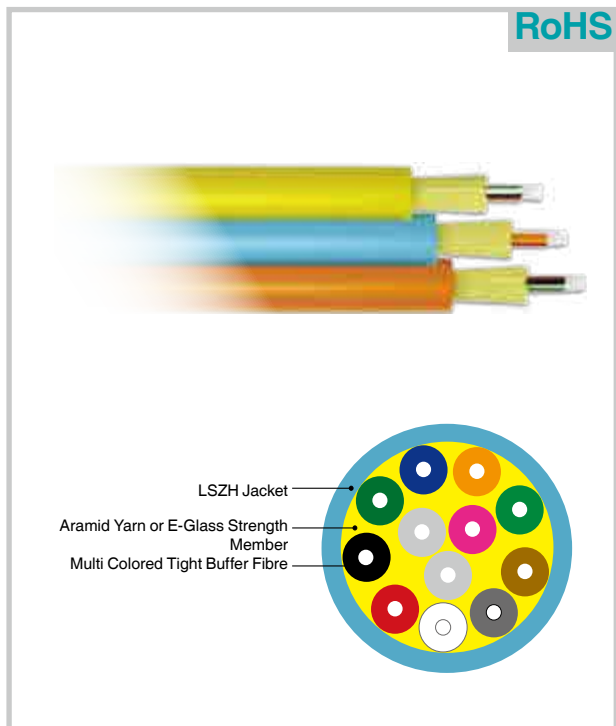


TransFibres tight buffered indoor/outdoor distribution cables are constructed of 2, 4, 8, 12, 16, or 24 OM1, OM2, OM3, OM4 multimode or OS1/OS2 (ITU-T G.652D), ITU-T G.657A1 singlemode 900um fibres in a tight secondary buffered distribution. The cable is filled with rodent-resistant e-glass non-metallic strength members or aramid yarn and surrounded by a low smoke zero halogen (LSZH) or PVC jacket.

TECHNICAL CHARACTERISTICS

DISTION OPTICAL FIBRE CABLE						
Parameter	UOM	Value				
Fibre core		2 or 4	6	8	12	24
Outer diameter	mm	4.8±0.2	5.2±0.2	6.2±0.2	6.8±0.2	8.4±0.2
Insertion loss	dB/km	SM: ≤0.4@1310nm, ≤0.3@1550nm MM: ≤3.5@850nm, ≤1.5@1300nm				
Long term tensile strength	N	90	110	160	200	240
Short term tensile strength	N	270	330	480	600	720
Long term crush resistance	N	300				
Short term crush resistance	N	1000				
Storage temperature	°C	-20~+70				
Operating temperature	°C	-20 ~+70				
Cable weight	kg/km	18	23	29	37	61
Reel dimension (2km/reel)	WxDia. (mm)	360x520		550x700	550x800	
Reel weight	kg	6	6	6	14	28

TIGHT BUFFERED DISTRIBUTION CABLE



FEATURES

- △ Choice of fibre type
- △ Choice of outer diameter
- △ High strength aramid yarn strength member
- △ Easy to strip
- △ Choice of outer sheath material
- △ Choice of outer sheath color
- △ Customized jacket print legend

OPTIONS

- △ Bend insensitive fibres G657A/B
- △ OM4 fibres 10 Gigs at 550 meters
- △ Any color of cable jacket
- △ Printing on cable
- △ OFNP plenum jacket

APPLICATIONS

- △ Indoor/outdoor cable for installation in trunking, under floor or ceiling spaces
- △ Short run external links between buildings
- △ Fibre backbones in riser and horizontal configurations

PN GENERATOR

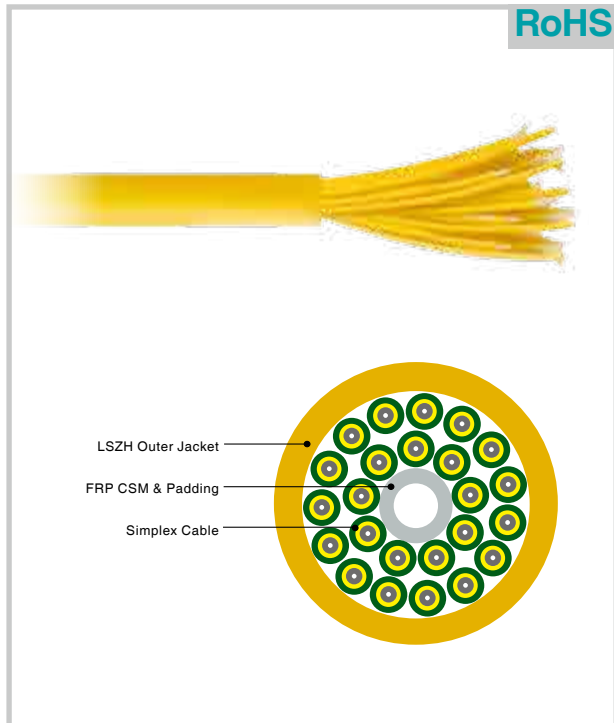
TIGHT BUFFERED DISTRIBUTION CABLE						
	FIBRE TYPE	FIBRE COUNT	CABLE STRUCTURE	LENGTH		
FTB	1=G657A1	2=2 FO	IN=Indoor OUT=Outdoor	01.0 km= 1 km		
	2=G657A2	4=4 FO		02.0 km= 2 km		
	3=OM3	6=6 FO		03.0 km= 3 km		
	4=OM4	8=8 FO		....	
	5=OM2	12=12 FO				
	6=OM1	16=16 FO				
	9=OS2	24=24 FO				
	Example Part Number: FTB-9-24-IN-01.0km					

TransFibres break out fibre optic cable contains 24 OM1, OM2, OM3, OM4 multimode or OS1/OS2 (ITU-TG.652D), ITU-T G.657A1 singlemode fibres in 2.0 mm Low Smoke Zero Halogen (LSZH) or PVC coated simplex cables. Each simplex cable contains a 900µm tight secondary buffered optical fibre with longitudinally applied aramid non-metallic strength members. The individually numbered simplex subunits are helically stranded in two layers around a LSZH or PVC-jacketed Fibre Reinforced Plastic (FRP) non-metallic central strength member; all simplex cables are bound in polyester wrapping tape and a LSZH or PVC final jacket.

TECHNICAL CHARACTERISTICS

BREAK-OUT FIBRE OPTIC CABLE						
Parameter	UOM	Value				
Fibre core		4	6	8	12	24
Outer diameter	mm	7.5±0.5	9.0±0.5	10.5±0.5	12.5±0.5	15.5±0.5
Insertion loss	dB/km	SM: ≤0.4@1310nm, ≤0.3@1550nm				
		MM: ≤3.5@850nm, ≤1.5@1300nm				
Long term tensile strength	N	200	200	250	400	400
Short term tensile strength	N	660	700	800	1200	1200
Long term crush resistance	N	300				
Short term crush resistance	N	1000				
Storage temperature	°C	-20~+60				
Operating temperature	°C	-20 ~ +60				
Cable weight	kg/km	51	68	88	128	198
Reel dimension (2km/reel)	WxDia. (mm)	550x850		800x1100	800x1300	
Reel weight	kg	30	30	30	40	60

BREAK OUT FIBRE OPTIC CABLE



FEATURES

- △ Choice of fibre type
- △ Individual aramid yarn strength members
- △ Easy to use
- △ Lightweight and compact
- △ Choice of outer sheath material
- △ Choice of outer sheath color
- △ Customized jacket print legend

OPTIONS

- △ Bend insensitive fibres G657A/B
- △ OM4 fibres 10 Gigs at 550 meters
- △ Any color of cable jacket
- △ Printing on cable
- △ OFNP plenum jacket

APPLICATIONS

- △ Internal break out cable for horizontal distribution
- △ Indoor application

PN GENERATOR

BREAK OUT FIBRE OPTIC CABLE		
FIBRE TYPE	FIBRE COUNT	LENGTH
BOC 1=G657A1	2=2 FO	01.0 km= 1 km
2=G657A2	4=4 FO	02.0 km= 2 km
3=OM3	6=6 FO	03.0 km= 3 km
4=OM4	8=8 FO	....
5=OM2	12=12 FO	
6=OM1	16=16 FO	
9=OS2	24=24 FO	

Example Part Number: BOC-9-24-01.0km

TransFibres single loose tube fibre optic cable contains 2 to 24 OM1, OM2, OM3, OM4 multimode or OS1/OS2 (ITU-T G.652D) singlemode 250µm fibres. The fibres are contained in a single loose tube external duct cable surrounded by e-glass strength members and a polyethylene (PE) or Low Smoke Zero Halogen (LSZH) jacket.

TransFibres multi loose tube cable construction consists of up to 144, 250µm optical fibres in 12 fibre gel filled loose tubes with fillers where appropriate, SZ stranded around a fibre reinforced plastic (FRP) central strength member with water swellable threads and water swellable tape. Helically applied water blocking e-glass non metallic strength members with ripcord and black high density polyethylene (HDPE) or Low Smoke Zero Halogen (LSZH) jacket.

TECHNICAL CHARACTERISTICS

Parameter	UOM	SINGLE LOOSE TUBE CABLE		MULTI LOOSE TUBE CABLE			
		Value					
Fibre core		4-12F	24F	24-48F	72F	96F	144F
Outer diameter	mm	6.8 ±0.3	8.0 ±0.3	9.8 ±0.5	10.5 ±0.5	12.0 ±0.5	15.0 ±0.5
Insertion loss	dB/km	SM: ≤0.4@1310nm, ≤0.3@1550nm MM: ≤3.0@850nm, ≤1.0@1300nm					
Long term tensile strength	N	400	500	600	600	600	800
Short term tensile strength	N	1000	1500	1500	1500	2000	2500
Long term crush resistance	N	300					
Short term crush resistance	N	1000					
Storage temperature	°C	-40 ~ +70					
Operating temperature	°C	-40 ~ +70					
Cable weight	kg/km	42	79	88	102	136	180
Reel dimension (2km/reel)	WxDia. (mm)	550x700	550x750	550x850	550x950	800x1000	800x1150
Reel weight	kg	14	25	30	42	45	50

SINGLE & MULTI LOOSE TUBE CABLE

RoHS

Single Loose Tube Optic Cable

Multi Loose Tube Optic Cable

FEATURES

- △ Choice of fibre type
- △ Color coded fibres
- △ Choice of outer sheath material
- △ Customized jacket print legend

OPTIONS

- △ Bend insensitive fibres G657A/B
- △ OM4 fibres 10 Gigs at 550 meters
- △ Any color of cable jacket
- △ Printing on cable
- △ OFNP plenum jacket

APPLICATIONS

- △ Suitable for internal or external applications

PN GENERATOR

SINGLE LOOSE TUBE OPTIC CABLE					
	FIBRE TYPE	FIBRE COUNT	JACKET TYPE	LENGTH	
SLT	1=G657A1	4=4 FO	LS=LSZH	01.0 km= 1 km	
	2=G657A2	6=6 FO	PE=PE	02.0 km= 2 km	
	3=OM3	16=16 FO		03.0 km= 3 km	
	4=OM4	24=24 FO		....
	5=OM2				
	6=OM1				
	9=OS2				
	Example Part Number: SLT-9-6-LS-01.0km				

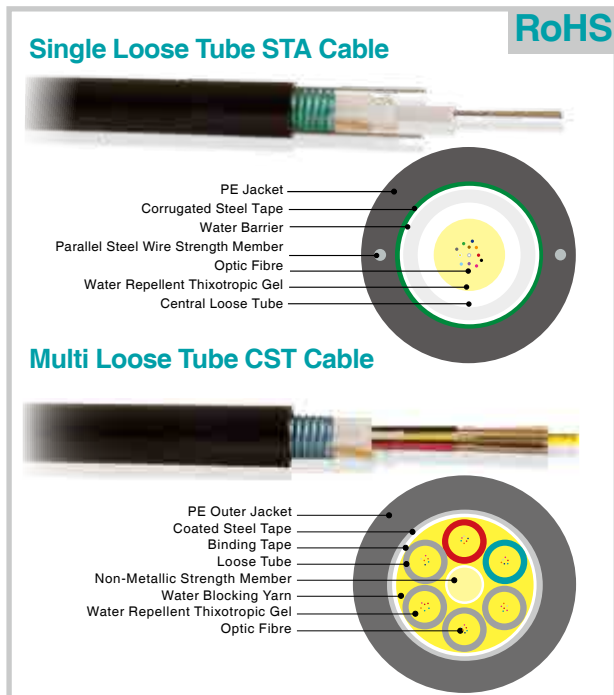
MULTI LOOSE TUBE OPTIC CABLE				
	FIBRE TYPE	FIBRE COUNT	JACKET TYPE	LENGTH
MLT	1=G657A1	24=24 FO	LS=LSZH	01.0 km= 1 km
	2=G657A2	36=36 FO	PE=PE	02.0 km= 2 km
	3=OM3	48=48 FO		03.0 km= 3 km
	4=OM4	72=72 FO		....
	5=OM2	96=96 FO		
	6=OM1	144=144 FO		
	9=OS2			
	Example Part Number: MLT-9-24-LS-01.0km			

TransFibres single loose tube corrugated steel tape armored cables are constructed of 4 to 24 250µm fibres held in a gel-filled central loose tube. The tube is surrounded by water-blocking tape and corrugated polyethylene laminated steel tape. The cable features two parallel steel wire strength members embedded in a polyethylene (PE) or Low Smoke Zero Halogen (LSZH) outer jacket.

TransFibres multi loose tube cable consists of 12 to 144 250 µm optical fibres in 12 gel-filled loose tubes with fillers where appropriate. The tubes are SZ stranded around a jacketed Fibre Reinforced Plastic (FRP) central strength member with water swellable threads and water swellable tape. The tape is surrounded by helically-applied, water-blocking, e-glass non-metallic strength members with ripcord, Corrugated Steel Tape (CST) armoring and a black High Density Polyethylene (HDPE) or Low Smoke Zero Halogen (LSZH) jacket.

TECHNICAL CHARACTERISTICS

Parameter	UOM	SINGLE LOOSE TUBE STA CABLE							MULTI LOOSE TUBE CST CABLE								
		Value							Value								
Fibre core		4-8F	12-24F	24-60F	72F	96F	120	144F									
Outer diameter	mm	8.0 ±0.3	8.8 ±0.3	10.5 ±0.5	11.5 ±0.5	13.5 ±0.5	15.8 ±0.5	15.8 ±0.5									
Insertion loss	dB/km	SM: ≤0.4@1310nm, ≤0.3@1550nm MM: ≤3.0@850nm, ≤1.0@1300nm															
Long term tensile strength	N	500	500	600	600	600	600	800									
Short term tensile strength	N	1500	1800	1500	1500	1500	2000	2500									
Long term crush resistance	N	1000			300												
Short term crush resistance	N	3000			1000												
Storage temperature	°C	-40 ~ +70															
Operating temperature	°C	-40 ~ +70															
Cable weight	kg/km	62	78	112	138	165	222	222									
Reel dimension (2km/reel)	WxDia. (mm)	550 x750	550 x850	550 x950	800 x1000	800 x1050	800 x1150	800 x1150									
Reel weight	kg	25	30	42	45	48	50	50									



FEATURES

- △ Choice of fibre type
- △ Color coded fibres
- △ High water resistance
- △ High crush resistance
- △ Choice of outer sheath material
- △ Customized jacket print legend

OPTIONS

- △ Bend insensitive fibres G657A/B
- △ OM4 fibres 10 Gigs at 550 meters
- △ Any color of cable jacket
- △ Printing on cable
- △ OFNP plenum jacket

APPLICATIONS

- △ Suitable for external applications in ducts
- △ Aerial application
- △ Direct burial

PN GENERATOR

SINGLE LOOSE TUBE STA CABLE				
	FIBRE TYPE	FIBRE COUNT	JACKET TYPE	LENGTH
STA	1=G657A1	4=4 FO	LS=LSZH	01.0 km= 1 km
	2=G657A2	6=6 FO	PE=PE	02.0 km= 2 km
	3=OM3	16=16 FO		03.0 km= 3 km
	4=OM4	24=24 FO		....
	5=OM2			
	6=OM1			
	9=OS2			

Example Part Number: STA-9-6-LS-01.0km

MULTI LOOSE TUBE CST CABLE				
	FIBRE TYPE	FIBRE COUNT	JACKET TYPE	LENGTH
CST	1=G657A1	24=24 FO	LS=LSZH	01.0 km= 1 km
	2=G657A2	36=36 FO	PE=PE	02.0 km= 2 km
	3=OM3	48=48 FO		03.0 km= 3 km
	4=OM4	72=72 FO		....
	5=OM2	96=96 FO		
	6=OM1	144=144 FO		
	9=OS2			

Example Part Number: CST-9-24-LS-01.0km

TransFibres FTTH flat drop cable comprises of 1 to 4 fibres, available in ITU-T G.652D, ITU-T G.657A1 & ITU-T G.657A2 types. All dielectric Fibre To The Home (FTTH) drop cables have 250µm individually colored optical fibres with Fibre Reinforced Plastic (FRP) strength members and a Low Smoke Zero Halogen (LSZH) or PVC outer jacket.

TECHNICAL CHARACTERISTICS

FTTH FLAT DROP CABLE (FRP)		
Parameter	UOM	Value
Fibre count		1~4F
Outer diameter	mm	3.1x1.9
Insertion loss	dB/km	SM: ≤0.4@1310nm, ≤0.3@1550nm MM: ≤3.5@850nm, ≤1.5@1300nm
Long term tensile strength	N	40
Short term tensile strength	N	80
Minimum static bending radius	mm	19
Minimum dynamic bending radius	mm	38
Long term crush resistance	N	500
Short term crush resistance	N	1000
Storage temperature	°C	-20~+60
Operating temperature	°C	-20~+60
Cable weight	kg/km	9
Reel dimension (4km/reel)	WxDia. (mm)	445x600
Reel weight	Kg	6.82

FEATURES

- △ Choice of fibre types
- △ Individually colored optical fibres
- △ Notched construction
- △ Choice of outer jacket material
- △ Customized jacket print legend

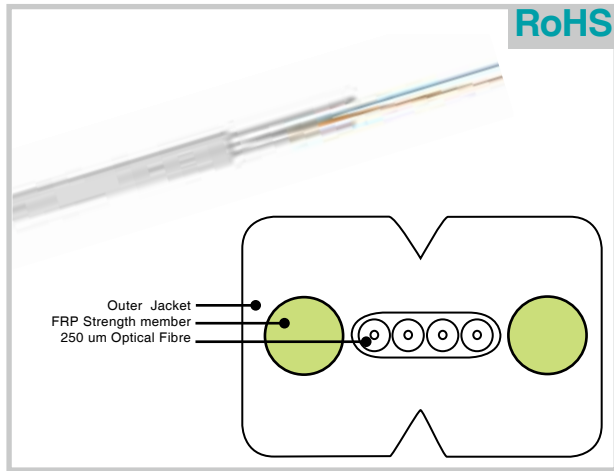
OPTIONS

- △ Bend insensitive fibres G657A/B
- △ OM4 fibres 10 Gigs at 550 meters
- △ Any color of cable jacket
- △ Printing on cable
- △ OFNP plenum jacket

APPLICATIONS

- △ Internal FTTH applications
- △ Clipping to surfaces including skirting boards
- △ Horizontal cabling

FTTH DROP CABLE

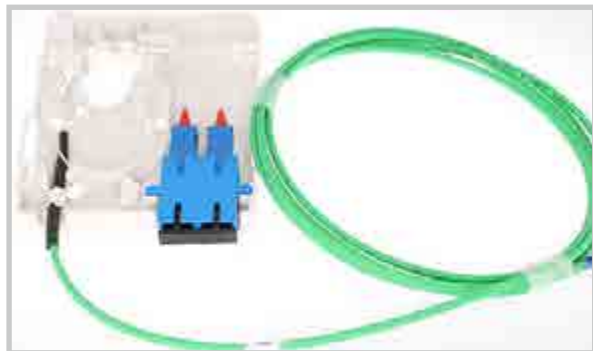


PN GENERATOR

FTTH DROP CABLE			
	FIBRE TYPE	FIBRE COUNT	LENGTH
FRP	1=G657A1	1=1 FO	01.0 km= 1 km
	2=G657A2	2=2 FO	02.0 km= 2 km
	9=OS2	3=3 FO	03.0 km= 3 km
		4=4 FO	....

Example Part Number: FRP-9-1-01.0km

FTTH DROP CABLE – LOADED IN WALL OUTLET



MODULAR PATCH PANELS

The modular patch panel system in its basic form is supplied with the panels unloaded and without adapter plates. The panel can also be pre-loaded with any combination of 3 adapter plates of your choice, or pre-loaded with Pigtails to meet your project needs. An optional simple splice management kit can also be included. The tray is locked in place with two simple to operate plastic catches. When fully extended the tray is designed to lower to 45°, or by moving the tray to the side it will drop and lock to 55°. This provides the perfect working platform for simple installation or easy maintenance and access even after the panel is installed in the rack.

LGX PLATE

SC SM Simplex(8 Port)



LC SM Duplex(8 Port)



SC APC SM Simplex(8 Port)



LC APC SM Duplex(8 Port)



SC MM Simplex(8 Port)



LC MM Duplex(8 Port)



SC SM Simplex(6 Port)



LC SM Duplex(6 Port)



SC APC SM Simplex(8 Port)



LC APC SM Duplex(6 Port)



SC MM Simplex(6 Port)



LC MM Duplex(6 Port)



SC SM Duplex(6 Port)



LC SM Quad(6 Port)



SC APC SM Duplex(6 Port)



LC APC SM Quad(6 Port)



SC MM Duplex(6 Port)



LC MM Quad(6 Port)



ST(8 Port)



BLANK LGX PLATE



FC(8 Port)



MTP (8 Port)



FEATURES

- ▲ Up to 3 Plate /MTP® modules in 1U
- ▲ Multiple adaptor options available
- ▲ 24 adaptor positions
- ▲ Individually labelled ports
- ▲ 45° open working angle
- ▲ Accepts loose tube, distribution and preterminated cables
- ▲ RoHS, REACH SvHC and UL rated

OPTIONS

- ▲ Data centres, premise installations, telecommunication networks
- ▲ Ethernet, FibreChannel, ATM, LAN, MAN and WAN
- ▲ Data communication and telecommunication networks
- ▲ Indoor applications

MODULAR PATCH PANELS



UNLOADED 1U 3 PORT PATCH PANEL



LC SM Simplex(8 Port)



LC SM Simplex(4 Port)



LC APC SM Simplex(8 Port)



LC APC SM Simplex(4 Port)



LC MM Simplex(8 Port)



LC MM Simplex(4 Port)



This innovative and robust 1U patch panel has been designed to accept up to 3 LGX Modules or MTP/MPO Cassettes within a 1U space. With the ability to use a full array of adaptor types it offers a flexible solution to the end user, enabling them to incorporate a multi-functional panel which allow easy access during installation or re-work with no disturbance of the existing cable or fibres.

Open tray Structure of panel allows for undisturbed and easy rear access to MPO/MTP ports and back bone trunks. Integrated rear cable management provides attachment points for incoming cable or excess cable loops.

In the addition to the array of adaptors the panel also offers multiple cable entry solutions, entry points for, loose tube, tight buffer, pre-terminated and steel tape armoured cable.

SPECIFICATION

ELEMENT	CHARACTERISTIC
Height	1U (44.4mm)
Width	483mm
Depth	240mm
Net Weight	1.0kgs
Packaged Weight	1.5kgs
Packaged Dimensions	525mm (W) x 90mm (H) x 295mm (D)
IP Rating	IP20
Suitable for Adaptor Type	LGX / MTP
Number of Ports	3
Material	Cold-rolled steel
Material Thickness	1.2mm
Material Coating	Electrostatic powder coating
Color	Black RAL 9004
Operating Temperature	-40°C to +60°C
Compliant to	RoHS, Reach/SVHC

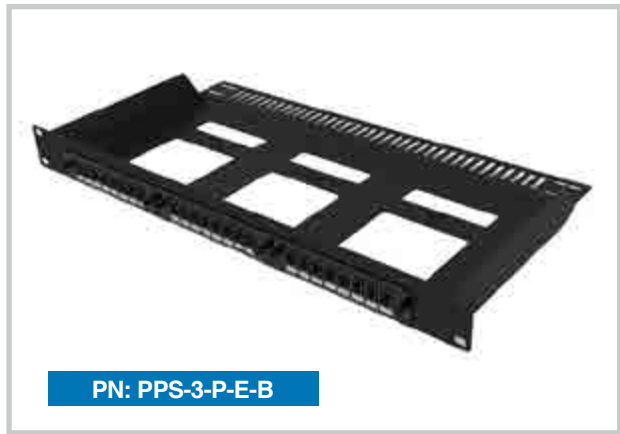
FEATURES

- ▲ Up to 3 LGX MTP/MPO modules in 1U
- ▲ Multiple adaptor options available
- ▲ Individually labeled ports
- ▲ Accepts loose tube, distribution and pre-terminated cables
- ▲ RoHS, REACH and SvHC
- ▲ Fits standard 19"

APPLICATION

- ▲ Data centers, premise installations, telecommunication networks
- ▲ Ethernet, fibre channel, ATM, LAN, MAN and WAN
- ▲ Data communication
- ▲ Indoor applications

UNLOADED 1U 3 PORT PATCH PANEL



INDOOR/OUTDOOR TERMINATION BOX - TRB/OD02



PN: TRB/OD02

FUNCTION	Termination and distribution box
OPTIC SPLITTER TYPE	1:8
ADAPTER	8 SC simplex foot print
SPLICE TRAY	12 cores
MAX OD RATIOS	1:8
DIMENSION (LXWXH)	220x180x50mm
CABLE ENTRIES	3 cable glands PG13.5 (removable)

PRODUCT INTRODUCTION

- △ For indoor or outdoor wall mounting
- △ Suitable for 8 SC simplex or 8 LC duplex adapters
- △ Maximum 12 fibres in the splice tray
- △ Waterproof IP65
- △ UV resistant option
- △ Compatible with splitters with an OD ratio of 1:8
- △ Lockable and include fixation and splicing accessories

WALL MOUNTED TERMINATION BOX - TRB/OD03



PN: TRB/OD03

FUNCTION	Wall mounted box
ADAPTER CAPACITY	36 ports SC simplex foot print
SPLITTERS	Fixed support bracket (2*32 or 4 splitters 1*8)
CABLE ENTRIES	2 entries 20mm diameter and 1 oval 42*10mm
SPLICE TRAY TYPE	12 cores
SPLICE TRAY QUANTITY	5 pcs
SPLICING CAPACITY	60 splices
DIMENSION (LXWXH)	240X135X280mm

PRODUCT INTRODUCTION

- △ This box is compact, lightweight and manufactured from high strength engineering plastics.
- △ It has inlet holes for both open and concealed wires, ideal for a variety of applications.

WALL OUTLET - TRB/ID02



PN: TRB/ID02

FUNCTION	Termination of optic fibre
ADAPTER	SC, LC
OPTIONAL OPTIC CABLES	General indoor distribution cable
DIMENSION (LXWXH)	150X110X30mm

PRODUCT INTRODUCTION

- △ Indoor wall mounting
- △ Suitable for 4 SC simplex or 4 LC duplex adapters
- △ Maximum capacity of 4 fibres
- △ It is compliant with IP52

WALL OUTLET-TRB/TH01



PN: TRB/TH01

FUNCTION	Termination of optic fibre
ADAPTER	SC,LC
OPTIONAL OPTIC CABLES	Figure 8 TRB/t cable/general outdoor cable/indoor wiring FTTH drop cable
MATERIAL	ABS
DIMENSION (LXWXH)	86X86X27mm

PRODUCT INTRODUCTION

- △ Applicable for FTTH, FTTO and FTTD applications
- △ Wall outlet with 2 positions SC Simplex with shutters
- △ 4 different cable entries
- △ Label for marking included

The internal customer outlet box is designed for use inside the home. The operator has the choice to have the box unloaded or equipped with adaptors, the box is designed with integrated shutters to comply with safety standards.

SPECIFICATION

PARAMETER	VALUE
Maximum Single Fibre Count	4
Maximum Number of heat splice	4
Number of cable entre points	4
Height	86mm
Width	116mm
Depth	23mm
Color	White
Material	ABS
Flame Retardant	Yes

COMPACT TERMINATION BOX - TRB/CSB12



FEATURES

- △ Multiple cable entry points
- △ Integrated heatshrink splice holder
- △ Hinged splice Tray
- △ Holds up to 4 single fibres 1 x SC Duplex or 1 x LC Quad
- △ Integrated fibre management
- △ Integrated shutter protects against laser exposure and dust

APPLICATION

- △ FTTx networks
- △ Data communication networks
- △ Indoor applications

TAMPER PROOF WALL BOX



DESCRIPTION	PART NO.
Tamper Proof Wall Box -SC Simplex Multimode	TW04SCM08
Tamper Proof Wall Box -SC Simplex Singlemode	TW04SCS08
Tamper Proof Wall Box -SC APC Simplex Singlemode	TW04SCA08
Tamper Proof Wall Box -E2000 Multimode	TW04E2M08
Tamper Proof Wall Box -E2000 Singlemode	TW04E2S08
Tamper Proof Wall Box -E2000 APC Singlemode	TW04E2A08
Tamper Proof Wall Box -LC Duplex Multimode Beige	TW04LCM08
Tamper Proof Wall Box -LC Duplex Multimode Erika Violet	TW04LCV08
Tamper Proof Wall Box -LC Duplex Singlemode	TW04LCS08
Tamper Proof Wall Box -LC APC Duplex Singlemode	TW04LCA08

To compliment our range of fibre management products, TransFibres also offer a full range of accssories to help you to construct, manage and splice your fibre network.

ACCESSORIES

SPLICE TRAY LID AND HOLDER



DESCRIPTION	PART NO.
SPlice Tray 12 port	SPT-B

FIBRE MANAGEMENT KITS



DESCRIPTION	PART NO.
Fibre Management Kit	FMK

PANEL BLANKS



DESCRIPTION	PART NO.
Patch Plate Blank pour fiche SC Simplex	PPB-SC-S
Patch Plate Blank pour fiche SC Duplex	PPB-SC-D
Patch Plate Blank pour fiche ST	PPB-ST

SPLICE PROTECTORS



DESCRIPTION	PART NO.
Splice45Clear	SPP-45
Splice60Clear	SPP-60

TransFibres offers a wide range of cable management bars to organize and manage the fibre and copper patch cords inside racks and cabinets. They are all made of cold rolled steel to provide a better strength.

CABLE BARS



DESCRIPTION	PART NO.
19" 1U Cable Management Bar ,Black	CMB-19-1U-B
19" 2U Cable Management Bar ,Black	CMB-19-2U-B



DESCRIPTION	PART NO.
Cable Management Bar with Brush ,Black	CBB-19-1U-B



DESCRIPTION	PART NO.
1U Blanking Plates	PPB-1U-B
2U Blanking Plates	PPB-2U-B



DESCRIPTION	PART NO.
19" Cable Management Rail ,Black	CMR-19-1U-B



DESCRIPTION	PART NO.
PATCH PLATE MODULE	PBP-19-1u-B



DESCRIPTION	PART NO.
FRONT CABLE MANAGEMENT	FCM-19-1U-M

ETHERNET FIBRE MEDIA CONVERTER 10/100 MPBS

Media Converters provide an intelligent solution for fibre optic connectivity where simplicity, low cost, and minimum footprint are the primary considerations. The converters are designed to handle both legacy 10BaseT and 100BaseTX Fast Ethernet devices on their twisted pair port while maintaining 100BaseFX Fast Ethernet transmission on the fibre optic port. Plug-and-play simplicity makes connection easy.

FEATURES

- △ Auto-cross over for mdi/mdix in tp port
- △ Auto-negotiation in tp port
- △ Supports link fault pass through (lfp) function
- △ Led display for link/activity, full/half, 10/100m
- △ Converter mode with auto-change-forward (switch) function

Applications

- △ LAN
- △ FTTx
- △ Telecommunication networks

TECHNICAL SPECIFICATION

Complies with	IEEE 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX	
Connector	UTP RJ-45 connector, optic SC, FC,ST connector	
Transmission Type	10/100M FDX/HDX	
Wavelength(typical)	Multi-mode	1310nm (≤2Km)
	Single-mode	1310nm up to 60Km 1550nm up to 120Km
Operation mode	Full duplex mode or half duplex mode	
Temperature	0 - 70°C (Operating); -45 - 80°C (Storage)	
Power Supply	External 1A,+5VDC	Internal 10~260VAC
Dimension (LxWxH)	External power supply: 95mm x70mm x 26mm Internal power supply :140mm x110mm x 30mm	

ETHERNET FIBRE MEDIA CONVERTER 10/100 MPBS



GIGABIT MEDIA CONVERTER 10/100/1000 MPBS

The 10/100/1000 Media Converter provides an intelligent solution for long distance connections between legacy 10BaseT and 100BaseTX networks and the newer 1000Base Giga-bit Ethernet networks.

FEATURES

- △ Automatic identification of mdi/mdix cross line.
- △ 10/100/1000Mbps port with full/half duplex auto-negotiation
- △ Back pressure flow control for full duplex
- △ Converter mode with auto-change-forward (switch) function

Applications

- △ LAN
- △ FTTx
- △ Telecommunication networks

TECHNICAL SPECIFICATION

Complies with	IEEE802.3 10 BaseT IEEE 802.3u 100Base-TX/X IEEE 802.3ab 1000BasT IEEE 802.3z 1000BaseSX/LX	
Connector	UTP RJ-45 connector, optic SC, FC,ST connector	
Wavelength(typical)	Multi-mode	850nm (≤550m) 1310nm (≤2Km)
	Single-mode	1310nm up to 20Km 1550nm up to 60Km
Operation mode	Full duplex mode or half duplex mode	
Temperature	0 - 70°C (Operating); -45 - 80°C (Storage)	
Power Supply	External A,+5VDC	Internal 110~260VAC
Dimension (LxWxH)	External power supply: 95mm x70mm x 26mm Internal power supply :140mm x110mm x 30mm	

GIGABIT MEDIA CONVERTER 10/100/1000 MPBS



MULTIMODE TO SINGLEMODE MEDIA CONVERTER

Multimode to Singlemode Converters provide efficient solutions for interconnecting multimode fibre LANs over longer distances by integrating singlemode fibre optic cable into the LAN. The converter also enables Ethernet LAN and WAN connectivity, by providing a multimode interface to singlemode fibre carrier demarcation points.

FEATURES

- ▲ Extend a gigabit ethernet backbone connection up to 80 km for man(metropolitan area network) applications
- ▲ Converts multimode to singlemode (and vice versa)
- ▲ Converts single mode to singlemode or multimode to multimode
- ▲ Increases distance between nodes
- ▲ Cross connects fibretypes
- ▲ Performs optical repeater function (with 1x9 or TRB/p transceiver modules)

TECHNICAL SPECIFICATION

Complies with	IEEE 802.3u 100BaseFX IEEE 802.3z 1000BaseSX/LX	
Transceiver Type	Multi-mode or single mode	
Transceiver Connector Types	Duplex SC, ST, FC	
Wavelength(typical)	Multi-mode	850nm (≤550m) 1310nm (≤2Km)
	Single-mode	1310nm up to 40Km 1550nm up to 80Km
Temperature	0 - 70°C (Operating); -45 - 80°C (Storage)	
Power Supply	External 1A,+5VDC	
Dimension (LxWxH)	External power supply: 95mm x70mm x 26mm	
Compliance	RoHS & REACH	

MULTIMODE TO SINGLEMODE MEDIA CONVERTER



SFP TRANSCEIVER

The TransFibres SFP transceiver supports multi data-rate from 155Mbps to 40 Gbps and from 20Km to 120km transmission distance with SMF or 500m to 120Km with MMF. The transceiver consists of two sections: The transmitter section incorporates a FP laser. The receiver section consists of a PIN photodiode integrated with a trans-impedance pre-amplifier (TIA).



UNMANAGED MEDIA CONVERTER CHASSIS

The 2U 14 -Bay Rack Mount Media Converter Chassis provides higher rack mount media converter density for large installations that can accommodate rear access to the chassis for power supply maintenance.

The High port density allows a variety of media converter solutions to be housed in a minimum amount of rack spaces for enterpriselevel businesses and carriers. Redundant, fan-cooled load-sharing power supplies can be hot-swapped to ensure system uptime.

FEATURES

- ▲ Cross flow cooling fan built-in
- ▲ Number of slots: 14
- ▲ 14 Slots chassis: 10/100m or 10/100/1000m stand-alone external power supply media converters

TECHNICAL SPECIFICATION

POWER IN	AC 100 V~260 V; OR DC 48V
POWER OUT	DC 5V, 12A
TEMPERATURE	- 70°C (Operating); -45 - 80°C (Storage)
DIMENSION (LXWXH)	485mm x231mm x 90mm;19 inches 2U

UNMANAGED MEDIA CONVERTER CHASSIS



FUSED WDM

TransFibres high performance WDMs, are used for multiplexing two different signals into a single fibre or to separate into two signals having separate wavelengths, from an incoming fibre. The 1310/1550 WDM is ideal for single fibre bi-directional communication systems.

SPECIFICATIONS

PARAMETRE		1310/1550	1310/1490	980/1550
Operating Wavelength	nm	1310/1550 ±15	1310/1490 ± 10	980/1550 ± 10
Maximum Insertion Loss	dB	0.2	0.3	0.2
Isolation	dB	20	17	20
Directivity	dB	≥ 50		
Operating Temperature	°C	-40 to 85		
Storage Temperature	°C	-40 to 70		
Fibre Type		Corning SMF-28		Corning 1060
DIMENSIONS				
Light		3.0mm (dia) x 55mm (L), 250µm coated fibre		
Medium		3.05mm (dia) x 65mm (L), 900µm tube		
Heavy		Plastic Housing, 96.5mm (L) x 12mm (B) x 10mm (H), 3mm Jacketed Cable		

* Values given are maximum, please contact TransFibres for typical and minimum values.

FUSED SPLITTERS

TransFibres fused dual window splitters are specially designed and optimised for Fibre To The Home (FTTH) applications.

PN GENERATOR

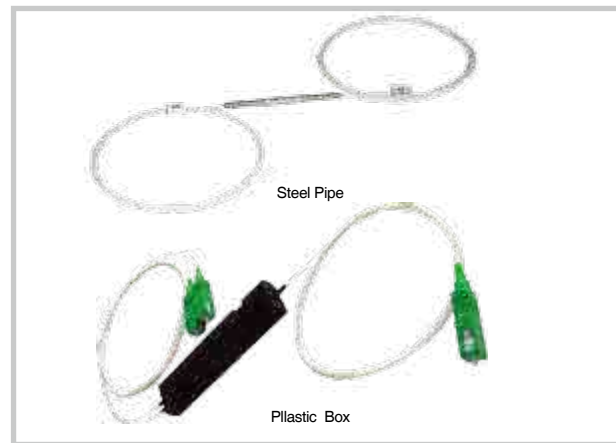
FUSED WDM	
	MATERIAL
FWDM	M=Metal P=Plastic
Example Part Number: FWDM-M	

FEATURES

- △ Broad operating band
- △ High channel isolation
- △ High stability and reliability

Applications

- △ EDFA
- △ WDM systems
- △ CATV



SPECIFICATIONS

Parameter	Premium	Standard	
Operating wavelength (nm)	1310 and 1550		
Operating bandwidth (nm)	±40		
Typical excess loss (dB)	0.07	0.1	
Insertion loss (dB)	50/50	≤3.6	≤3.8
	40/60	≤4.7/2.7	≤4.9/2.9
	30/70	≤6.0/1.9	≤6.3/2.1
	20/80	≤7.9/1.3	≤8.4/1.4
	10/90	≤11.2/0.75	≤12.0/0.8
	5/95	≤14.6/0.4	≤15.5/0.5
	3/97	≤17.0/0.35	≤17.8/0.45
	2/98	≤18.8/0.3	≤19.5/0.4
1/99	≤22.5/0.25	≤23.5/0.35	
PDL (dB)	≤0.15	≤0.2	
Directivity (dB)	≥55		
Storage Temperature(°C)	-40 to 85		
Max Power Handling	500		
Package Dimension	Bare Fibre	∅3.0×54	
	900 µm Loose tube	∅3.0×60	
	2mm, 3mm Jacket	90x14x8.5(ABS BOX)	

PLC SPLITTERS

Planar splitters are available in the form of either module cassette , rack-mount or wall-mount box with a fibre diameter up to 3 mm. These rugged products give field engineers great ease of handling and installation and are suitable for both indoor and outdoor applications.

SPECIFICATIONS

PARAMETERS		1X4	1X8	1X16	1X32
Operating Wavelength(nm)		1260-1650			
Insertion Loss(dB)	Max	7.7	11.5	14.5	18.2
Loss Uniformity(dB)	Max	0.6	0.8	1.2	1.7
Return Loss(dB)	APC Min	50	50	50	50
	UPC Min	45	45	45	45
PDL(dB)	Max	0.3	0.3	0.3	0.3
Directivity(dB)	Min	55	55	55	55
Pigtail Length(m)		1.0± 0.1 or customer specified			
Fibre Type		SMF-28e with 3mm cable or customer specified			
Wavelength Dependent Loss		1.0(dB)	1.0(dB)	1.0(dB)	1.0(dB)
Temperature Stability(-40~ 85°C)		0.6(dB)	0.6(dB)	0.8(dB)	1.0(dB)
Operating Temperature(°C)		-20~65			
Storage Temperature(°C)		-40~85			
Housing Dimension (LxWxH)(mm)		100X80X9	100X80X9	120X80X9	140X114X18

FEATURES

- △ Low excess loss
- △ Good directivity
- △ Low PDL
- △ Good environmental stability
- △ Various types are optional
- △ Standard/Flattened
- △ Broadband/Tree/Star

Applications

- △ Optical fibre communication systems
- △ Optical fibre access networks
- △ Optical fibre CATV
- △ Optical fibre test equipment
- △ Monitoring systems
- △ Optical fibre sensor
- △ Light source distribution

PN GENERATOR

1X32 SCA MODULE	
	CONFIGURATION
PLCS	04=1x4
	08=1x8
	16=1x16
	32=1x32
Example Part Number: PLCS-08	

PLC SPLITTER (19" RACK MOUNT) MODULE		
PLCS	8XLC/PC	S=Simplex D=Duplex
Example Part Number: PLCS-8XLC/PC-D		



1X32 SCA Module

PLC Splitter (19" Rack Mount) Module



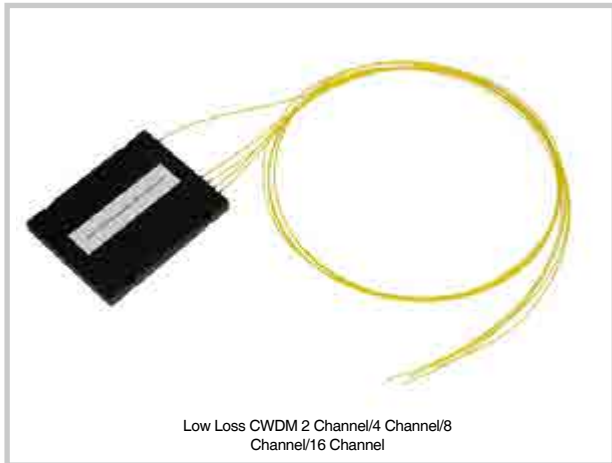
**BEND
INSENSITIVE
FIBRE AVAILABLE**

LOW LOSS CWDM 2 CHANNEL/4 CHANNEL/8 CHANNEL/16 CHANNEL

Low Loss Coarse Wavelength Division Multiplexer (CWDM) modules are cascaded with 1x2 CWDM components. The module features wide pass band, low insertion loss, high channel isolation, high stability and reliability.

SPECIFICATIONS

PARAMETERS	2 CHANNELS	4 CHANNELS	4 CHANNELS	4 CHANNELS
Operating Wavelength(nm)	1271, 1291, 1311, 1331, 1351, 1371, 1391, 1411,1431 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611			
Insertion Loss(dB)	≤0.6	≤1.8	≤2.5	≤3.5
Channel space (nm)	20	20	20	20
Channel bandwidth (nm)	$\lambda_c \pm 6.5$	$\lambda_c \pm 6.5$	$\lambda_c \pm 6.5$	$\lambda_c \pm 6.5$
Channel flatness (dB)	≤0.4	≤0.4	≤0.4	≤0.4
Channel uniformity (dB)	≤1.0	≤1.0	≤1.0	≤1.0
Isolation (dB) - Demux adjacent channel	≥30	≥30	≥30	≥30
Isolation (dB) - Demux non-adjacent channel	≥40	≥40	≥40	≥40
Isolation (dB) - Mux or Reflection channel	≥15	≥15	≥15	≥15
Directivity (dB)	≥55	≥55	≥55	≥55
Return loss (dB)	≥50	≥50	≥50	≥50
PDL (dB)	≤0.15	≤0.15	≤0.15	≤0.15
PMD (ps)	≤0.1	≤0.1	≤0.1	≤0.1
Wavelength thermal stability (nm/°C)	≤0.003	≤0.003	≤0.003	≤0.003
Insertion loss thermal stability (dB/°C)	≤0.005	≤0.005	≤0.005	≤0.005
Power handling (mW)	≤500	≤500	≤500	≤500
Operating temperature (°C)	0 ~ +70	0 ~ +70	0 ~ +70	0 ~ +70
Storage temperature (°C)	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85
Dimensions (mm)	φ 5.5x34	100x80x10	125x96x16	141x115x18



FEATURES

- △ Wide pass band
- △ High isolation
- △ Low insertion loss
- △ High stability and reliability

Applications

- △ CWDM systems

PN GENERATOR

LOW LOSS CWDM 2 CHANNEL/4 CHANNEL/8 CHANNEL/16 CHANNEL

CWDM	8XLC/PC	51
Example Part Number: CWDM-8XLC/PC-51		

CLEANER & TOOLS

CASSETTE CLEANER



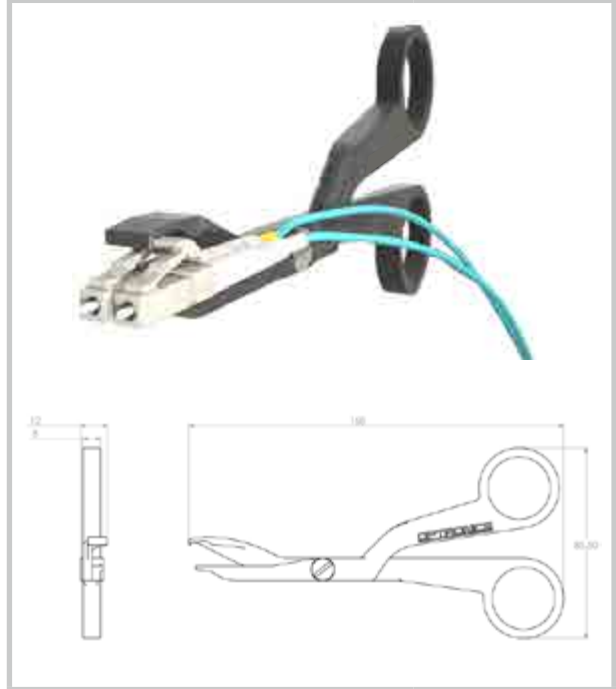
DESCRIPTION	PART NO.
Cletop Clean Reel	CTR-CLEAN
Cletop Spare Reel	CTR-CLEAN-R

CLEANER



DESCRIPTION	PART NO.
Fujikura One-Click™ cleaner SC – Cleans adaptor mounted SC's, FC's and ST's (APC and UPC)	SC-CLEAN
Fujikura One-Click™ cleaner MU/LC - Cleans adaptor mounted MU's and LC's	LC-CLEAN
MTP Cleaner	MTP-CLEAN

LC CONNECTOR EXTRACTION TOOL



DESCRIPTION	PART NO.
LC Connector Extraction Tool	LC-TOOL

CAT 6 U/UTP CABLE

TransFibres Cat6 unscreened unshielded twisted pair (U/UTP) LAN cable is manufactured using 23 AWG solid copper wire. Each cable consists of 4 twisted pairs and each individual conductor is insulated with a color-coded polyethylene coating. The twisted pairs are then covered by a grey PVC or violet Low Smoke Zero Halogen (LSZH) jacket. The cable conforms to RoHS directives.

The cable is supplied in an easily transportable 305m box. The box is designed so that cable can be easily pulled from it without snagging. The cable jacket is meter-marked, allowing for quick and easy measurements. A record table is printed on every box so installers may keep track of lengths used.

CABLE DATA

FREQUENCY (MHZ)	RL ≥dB	ATT(20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤NS	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	20.0	2.03	74.3	570.00	72.3	67.8	64.8
4.0	23.0	3.78	65.3	552.00	63.3	55.8	52.8
8.0	24.5	5.32	60.8	546.73	58.8	49.7	46.7
10.0	25.0	5.95	59.3	545.38	57.3	47.8	44.8
16.0	25.0	7.55	56.2	543.00	54.2	43.7	40.7
20.0	25.0	8.47	54.8	542.05	52.8	41.8	38.8
25.0	24.3	9.51	53.3	541.20	41.3	39.8	36.8
31.25	23.6	10.67	51.9	540.44	49.9	37.9	34.9
62.5	21.5	15.38	47.7	538.55	45.4	31.9	28.9
100	20.1	19.80	44.3	537.60	42.3	27.8	24.8
200	18.0	28.98	39.8	536.54	37.8	21.8	18.8
250	17.3	32.85	38.3	536.27	36.3	19.8	16.8



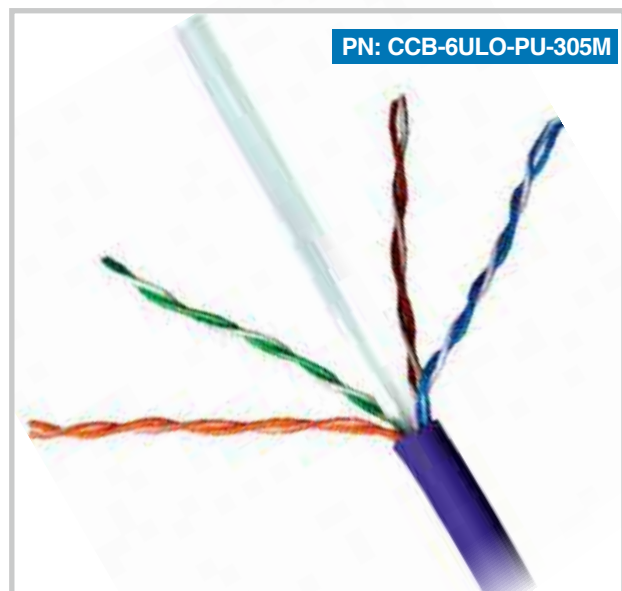
FEATURES

- △ Conforms to Cat6 standards
- △ 23 AWG solid copper wire
- △ 6.3mm in diameter
- △ RoHS compliant
- △ Printed meter marks on jacket
- △ Available in PVC or LSZH jacket
- △ 305m (1000ft) box
- △ Box dimension 405*405*210mm

APPLICATIONS STANDARDS

The Cat6 U/UTP cable is manufactured and tested directly in accordance with the following major industry standards:

- △ ISO/IEC 11801 2nd Edition
- △ ANSI/TIA 568-C.2
- △ EN 50173
- △ IEC 61156-5
- △ EN 50288-3-1



CAT 6 F/UTP CABLE

TransFibres Cat6 foiled unshielded twisted pair (F/UTP) LAN cable is manufactured using 23 AWG solid copper wire. Each cable consists of 4 twisted pairs and each individual conductor is insulated with a color-coded polyethylene coating. A quality foil shield covers all pairs. The ensemble is then covered by a grey PVC or violet Low Smoke Zero Halogen (LSZH) jacket. The cable conforms to RoHS directives.

The cable is supplied in an easily transportable 305m box. The box is designed so that cable can be easily pulled from it without snagging. The cable jacket is meter-marked, allowing for quick and easy measurements. A record table is printed on every box so installers may keep track of lengths used.

CABLE DATA

FREQUENCY (MHZ)	RL ≥DB	ATT (20°C) ≤DB	NEXT ≥DB	PHASE DELAY ≤NS	PSNEXT ≥DB	ELFEXT ≥DB	PSELFEXT ≥DB
1	20.0	2.03	74.3	570.00	72.3	67.8	64.8
4.0	23.0	3.78	65.3	552.00	63.3	55.8	52.8
8.0	24.5	5.32	60.8	546.73	58.8	49.7	46.7
10.0	25.0	5.95	59.3	545.38	57.3	47.8	44.8
16.0	25.0	7.55	56.2	543.00	54.2	43.7	40.7
20.0	25.0	8.47	54.8	542.05	52.8	41.8	38.8
25.0	24.3	9.51	53.3	541.20	41.3	39.8	36.8
31.25	23.6	10.67	51.9	540.44	49.9	37.9	34.9
62.5	21.5	15.38	47.7	538.55	45.4	31.9	28.9
100	20.1	19.80	44.3	537.60	42.3	27.8	24.8
200	18.0	28.98	39.8	536.54	37.8	21.8	18.8
250	17.3	32.85	38.3	536.27	36.3	19.8	16.8

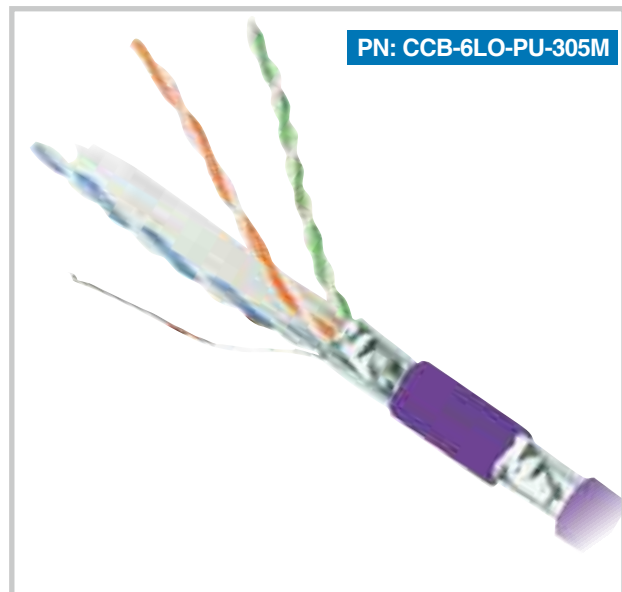
FEATURES

- △ Conforms to Cat6 standards
- △ 23 AWG solid copper wire
- △ 7.4mm in diameter
- △ RoHS compliant
- △ Printed meter marks on jacket
- △ Available in PVC or LSZH jacket
- △ 305m (1000ft) box
- △ Box dimension 405*405*210mm

APPLICATIONS STANDARDS

The Cat6 F/UTP cable is manufactured and tested directly in accordance with the following major industry standards:

- △ ISO/IEC 11801 2nd Edition
- △ ANSI/TIA 568-C.2
- △ EN 50173
- △ IEC 61156-5
- △ EN 50288-3-1



CAT 5E / 6 / 6A U/UTP PATCHCORD

TransFibres Cat 5E / 6 / 6A unscreened unshielded twisted pair (U/UTP) patch cords are manufactured using 24 AWG stranded copper wire and terminated with a high quality RJ45 modular plug. They are designed for mechanical and electrical reliability and are made from quality materials via quality processes. Our patch cords deliver consistently high levels of systems performance while featuring a "one style fits all" patch cord design. The patch cord's low-profile molded boot and snag-free latching allow deployment within even the most densely populated network installations, even in the latest blade server technology.

Each patch cord is manufactured and tested in accordance with IEC 61935-2 and complies with the requirements of ISO/IEC 11801 (2nd Edition): 2010. They support all Class E/ Cat6 applications.

TECHNICAL SPECIFICATIONS

CONSTRUCTION		VALUE		
		CAT 5E	CAT 6	CAT 6A
Conductors	AWG	24		
	Material	Bare Copper		
Insulators	Diameter mm	0.98 ± -0.05		
	Material	Polyolefin		
Jacket	External O.D.	5.40 ± 0.15mm	6.0 ± 0.15mm	
	Thickness mm	0.5		
	Sheath Material	PVC, LSZH		

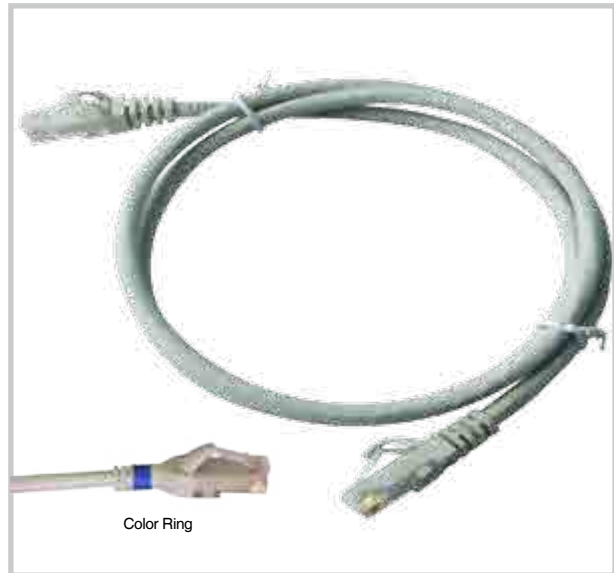
PN GENERATOR

CAT 5E / 6 / 6A U/UTP PATCHCORD						
	CATEGORY	STRUCTURE	JACKET	COLOR	LENGTH	COLOR RING
CPC	5E=CAT 5E 6=CAT 6 6A=CAT 6A	U=UTP	L=LSZH P=PVC	GY=Grey BK=Black GN=Green RD=Red BU=Blue WH=White	01.0 m= 1 mtr 02.0 m= 2 mtr 03.0 m= 3 mtr	R=Color Ring N=NONE

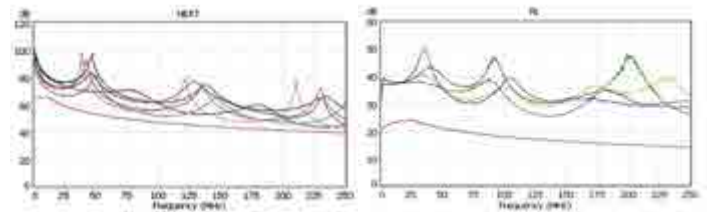
Example Part Number: CPC-6-U-L-GY-03.0M-R

FEATURES

- ▲ Electrically compliant beyond 250MHz
- ▲ Available in PVC or LSZH jacket
- ▲ Low profile molded strain relief boot for use with blade servers
- ▲ Integral anti-snag latch as standard
- ▲ 8 standard colors
- ▲ 6 standard lengths (0.5m, 1m, 2m, 3m, 5m & 10m)
- ▲ Individually bagged with traceability information
- ▲ RoHS compliant 2002/95/EC
- ▲ REACH / SVHC compliant regulation (EC) No. 1907/2006



HARDWARE TEST



CAT 6 UNSCREENED RJ-45 KEYSTONE JACKS

TransFibres Cat6 RJ-45 keystone jacks exceed the transmission line performance requirements of IEC and TIA for CLASS E/ Cat6 systems. The jacks have been designed for mechanical and electrical reliability, using quality materials, to deliver a jack solution that optimises the termination process through the use of a universal wiring block.

Each Cat6 RJ45 keystone jacks comply with IEC 60603-7-Pt 4 (unscreened) and support all applications designed for CLASS E networks as defined within ISO/IEC 11801 (2nd Edition):2010 such as ATM 1200, 1000BASE-T (Gigabit Ethernet), and 1G FCBASE-T.



FEATURES

- △ Universal wiring block accommodates both 110 and LSA tools
- △ Color coded wiring blocks assist termination
- △ Durability:
Jack contacts: 750 plug insertion cycles minimum
Wiring block: 25 termination cycles minimum
- △ Fits all keystone style face plates and floor boxes
- △ Suitable for modular patch panel installation

APPLICATIONS

- △ Class E/ Cat6 standards compliant

STANDARDS COMPLIANCE

- △ Electrically compliant through 250MHz
- △ Supports TIA 568 A & B wiring configurations
- △ REACH / SvHC compliant regulation (EC) No. 1907/2006

UNSCREENED CAT6 'KEYSTONE TYPE' IN-LINE COUPLER

TransFibres Cat6 "Keystone Type" In-Line couplers conform to line performance requirements of IEC and TIA for Class E/ Cat6 systems.

They follow the industry standard RJ45 footprint and due to small form design they are perfect for higher density applications and short plug to plug data room back-up installations.



FEATURES

- △ Small form RJ45 footprint design
- △ Fits all keystone style faceplates and floor boxes
- △ Suitable for patch panel installation
- △ Shielded version available (call for details)

STANDARDS COMPLIANCE

- △ ISO/IEC 11801:2001
- △ ANSI/TIA/EIA-568-C.2
- △ CENELEC EN 50173-1:2011

TECHNICAL SPECIFICATIONS

MECHANICAL	VALUE
Housing Material	ABS+PC UL94V-0
IDC Material	Phosphor Bronze Stamp Pin 0.35mm
Contact Material	Phosphor Bronze + Gold Plating 0.50mm
Shield Material	Bronze, Nickel Plated
RJ45 Jack Life	Min 750 Insertions (ISO/IEC 11801)
Operating Temp.	-10°C to 60°C (ISO/IEC 11801)

CAT 6A S/FTP PATCH CORDS

TransFibres Cat 6A screened foiled patch cord range exceeds the transmission line performance requirements of IEC and TIA for Class EA/Cat 6A systems. The patch cords are designed for mechanical and electrical reliability, using quality materials and processes, to provide a patch cord solution which delivers a consistent high level of systems performance whilst incorporating design features that allow a “one style fits all” cord application. The low profile moulded boot and snag free latching allows the cords to be deployed within even the most densely populated network installations deploying the latest blade server technology.

Each Cat6A patch cords are manufactured and tested in accordance with IEC 61935-2 and comply with the requirements of ISO/IEC 11801:2011 and support all applications designed for Class E/Category 6A applications such as 10GBASE-T (10G Ethernet), 2G FCBASE-T, 4G FCBASE-T and 1000BASE-T (Gigabit Ethernet)

CONFORMANCE

- △ CE approved
EU LVD (Low Voltage Directive 73/23/EEC as amended by Directive 93/68/EEC)
EU RoHS (Directive 2002/95/EC)
- △ UL listed (PVC assemblies)
- △ REACH/SVHC

APPLICABLE STANDARDS

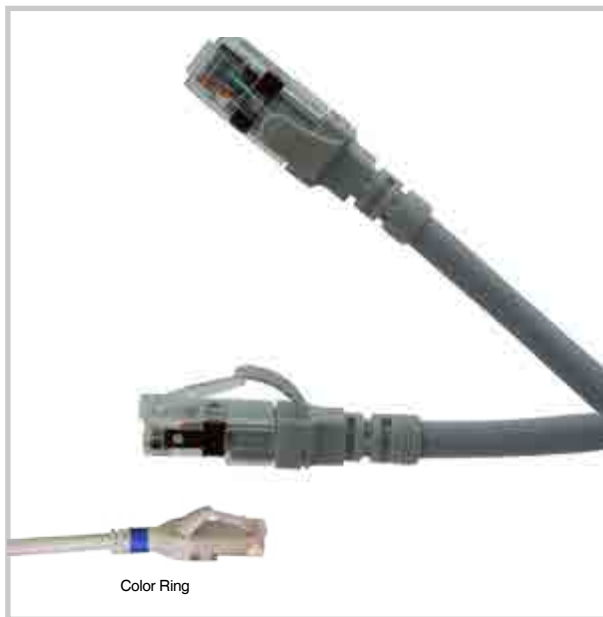
- △ ISO/IEC 11801:2011
- △ ANSI/TIA/EIA-568-C.2
- △ CENELEC EN 50173-1:2011
- △ IEC 61156-6
- △ EN 50288-4-2

TECHNICAL SPECIFICATIONS

CONSTRUCTION	VALUE	
Conductors	AWG	26
	Size	7 x 0.152mm
	Material	Bare Copper
Insulators	Diameter (mm)	1.03
	Material	HDPE
Jacket	External O.D. (mm)	6.3 +/- 0.2
	Thickness (mm)	0.51
	Material	LSZH or PVC
Shielding	Aluminium/PET	25/25µm
	Copper Clad with Steel	0.1mm x 4 x 16, min. 30% coverage

FEATURES/BENEFITS

- △ Low profile moulded strain relief boot to use with blade servers
- △ Integral anti-snag latch as standard
- △ RJ45 plug with two point “U shape” prongs
- △ 50 micro-inch gold plated contact pins
- △ Stranded high purity copper wire
- △ Integral internal plug wire management (to improve Cross-Talk parameters)
- △ PiMF style cable (individual foil screened pairs with overall braiding)
- △ Low Smoke Zero Halogen sheathed cable as standard, PVC upon request
- △ Multiple length and color option
- △ Individually bagged with traceability information
- △ Electrically compliant beyond 500MHz



PN GENERATOR

CAT 6A S/FTP PATCHCORD						
	CATEGORY	STRUCTURE	JACKET	COLOR	LENGTH	COLOR RING
CPC	6A=CAT 6A	F=S/FTP	L=LSZH P=PVC	GY=Grey BK=Black GN=Green RD=Red BU=Blue WH=White	01.0 m= 1 mtr 02.0 m= 2 mtr 03.0 m= 3 mtr	R=Color Ring N=NONE

Example Part Number: CPC-6A-F-L-GY-03.0M-R

CAT 6A PATCH PANEL LOADED WITH LSA BLOCKS

TransFibres Cat 6A patch panels loaded with LSA blocks exceed IEC and TIA transmission line performance requirements for Class EA / Cat 6A systems. Using quality materials and processes, the panels are designed for mechanical and electrical reliability and consistently deliver high levels of systems performance.

Our Cat 6A patch panels comply with ISO/IEC (2nd Edition): 2010 requirements and support all Class EA / Cat 6A applications.

APPLICATIONS

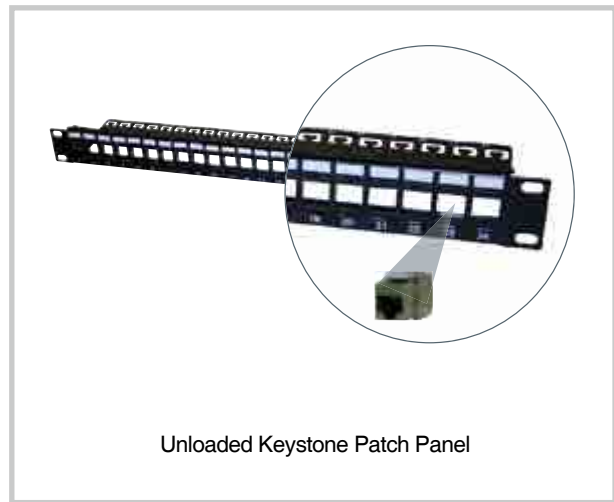
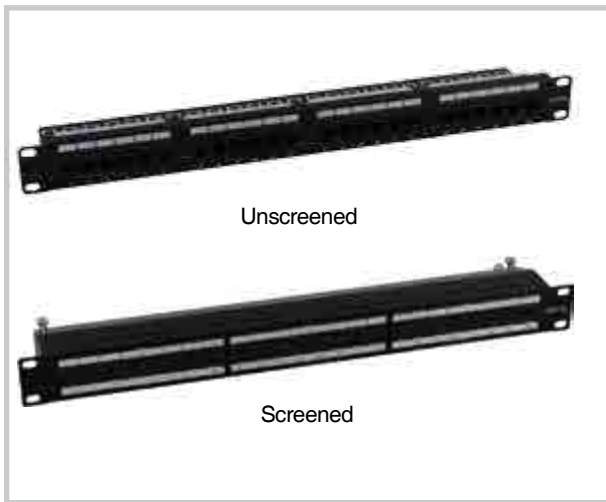
- △ Class E_A / Cat 6A standards compliant
- △ Terminates 22AWG to 26AWG cables

CONFORMANCE

- △ Electrically compliant beyond 500MHz
- △ Supports TIA 568 A & B wiring configurations
- △ RoHS compliant
- △ REACH / SVHC compliant

FEATURES/BENEFITS

- △ 19" rack mountable
- △ 24 ports in 1U space / 48 ports in 2U space
- △ RJ-45 modules with 6 ports each
- △ Individual port identification
- △ Screened LSA blocks are 90 degrees
- △ Unscreened LSA blocks are 180 degrees
- △ Universal wiring blocks for easy termination
- △ Right angled wiring block orientation for friendlier installation
- △ Color-coded wiring blocks for easy cable lacing
- △ Integral rear cable management
- △ Durability:
 - Socket Contacts: 750 plug insertion cycles minimum
 - Wiring block: 25 termination cycles minimum
- △ Grounding kit and cage nuts included as standard
- △ Packaging box size:
 - Screened 24 ports patch panel: 530*190*50mm
 - Unscreened 24 ports patch panel: 510*90*60mm
 - Unscreened 48 ports patch panel: 520*145*60mm



PN GENERATOR

CAT 6A PATCH PANEL					
CPP	6A	U=Unscreened S=Screened	24=24port	19=19inch	1U
Example Part Number: CPP-6AU-24-19-1U					

PN GENERATOR

KEYSTONE PATCH PANEL			
KPP	24=24port	19=19inch	1U
Example Part Number: KPP-24-19-1U			

CAT 6A TOOL FREE SCREENED RJ-45 KEYSTONE JACKS

TransFibres Cat 6A screened tool free RJ-45 keystone jacks exceed the transmission line performance requirements of IEC and TIA for CLASS EA/ Cat 6A systems.



FEATURES

- △ Screened, for reliable transmission line performance
- △ Repeatable tool-free terminations
- △ Interoperable and backwards compatible
- △ Spring loaded 360° screen termination
- △ Color coded stuffer-cap for easy cable lacing
- △ Keyed stuffer-cap for reliable termination
- △ Low insertion force `clam action` assists tool-free termination. (LSA & 110 punch-down tools can also be used to effect termination)
- △ Durability
 - Jack contacts: 750 plug insertion cycles minimum
 - Wiring block: 25 termination cycles minimum
- △ Fits all keystone style faceplates and floor boxes
- △ Integral cable strain relief
- △ Suitable for modular patch panel installation

APPLICATIONS

- △ Independent third party verified component performance
- △ Electrically compliant through 500MHz

COPPER PRE-TERMINATED TRUNK ASSEMBLIES

TransFibres Copper Pre-Terminated trunk assemblies are the perfect solution for Enterprise / Premise & Data Centre applications where speed of installation is important. Factory termination and testing simplify installation, saving time and labour as compared to field terminated installations.

Bespoke configurations in pre-engineered lengths with connectors to meet the specific needs of each application. Assemblies are typically built with a choice of 6 or 12 cable bundle using LSZH jacket. Standards compliant premium connectors and cable are used to ensure the best possible headroom and performance.

APPLICATIONS

- △ Available in:
 - Cat 5e/Class D Screened&Unscreened
 - Cat 6/ Class E – Screened & Unscreened
 - Cat 6A/ Class DA – Screened
- △ 6 or 12 cable bundles
- △ LSZH cable jacket
- △ Factory tested using Fluke DTX-1800
- △ Hard or Soft copy test results supplied
- △ Bespoke Labelling

STANDARDS COMPLIANCE

- △ ISO/IEC 11801 2nd Edition ANSI/TIA 568-C.2
- △ EN 50173 IEC 61156-5 EN 50288-3-1
- △ RoHS compliant 2002/95/EC REACH / SVHC compliant regulation (EC) No. 1907/2006

LGX STYLE RJ-45 KEYSTONE JACK MODULE

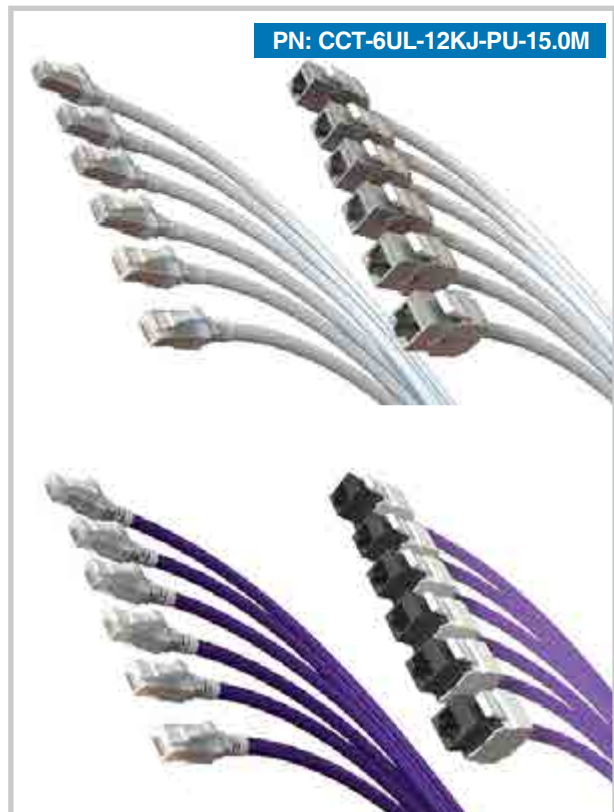
- △ Category 5e/6/6A standards compliant
- △ 6 ports RJ-45 modules



PN: KSM-LGX

FEATURES/BENEFITS

- △ Rapid Deployment - factory terminated cabling saves installation and reconfiguration time eliminating field termination variables
- △ High Performance and Reliability - 100% tested - combination of high quality components and manufacturing quality control guarantees product to the highest standards
- △ Cost Savings - Installation time involving costly highly qualified workforce is reduced to the minimum
- △ Direct Connection to Equipment/Panel - direct connection to active equipment is possible bypassing wall boxes and panels reducing cable



CAT7 S/FTP CABLE

TransFibres Cat 7 screened braided and foiled twisted pair (S/FTP) LAN cable is manufactured using 23 AWG solid copper wire. Each cable consists of 4 foiled twisted pairs. Each individual conductor is insulated with a color-coded polyethylene coating and a quality foil shield covers all pairs. The collective ensemble is covered by a grey PVC or violet Low Smoke Zero Halogen (LSZH) jacket. The cable conforms to RoHS directives.

The cable is supplied in a 305m or 500m reel drum. The reels are conveniently transported and very mobile, aiding in installation. The reel is designed so that cable can be easily pulled from it without snagging. The cable jacket is meter-marked, allowing for quick and easy measurements. A record table is printed on every box so installers may keep track of lengths used.

CABLE DATA

FREQUENCY (MHZ)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤NS	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1.0	20.0	2.0	78.0	570.0	75.0	78.0	75.0
4.0	23.0	3.74	78.0	552.0	75.0	78.0	75.0
8.0	24.5	5.24	78.0	546.7	75.0	75.9	72.9
10.0	25.0	5.86	78.0	545.4	75.0	74.0	71.0
16.0	25.0	7.41	78.0	543.0	75.0	69.9	66.9
20.0	25.0	8.29	78.0	542.0	75.0	68.0	65.0
25.0	24.3	9.29	78.0	541.2	75.0	66.0	63.0
31.25	23.6	10.41	78.0	540.4	75.0	64.1	61.1
62.5	21.5	14.88	75.5	538.6	72.5	58.1	55.1
100	20.1	19.02	72.4	537.6	69.4	54.0	51.0
150	18.9	23.56	69.8	536.9	66.8	50.2	47.2
200	18.0	27.47	67.9	536.5	64.9	48.0	45.0
250	17.3	30.97	66.4	536.3	63.4	46.0	43.0
300	17.3	34.19	65.2	536.1	62.2	44.5	41.5
600	17.3	50.10	60.7	535.5	57.7	38.4	35.4



Cable box

FEATURES

- ▲ Conforms to category 7 standards
- ▲ 23 AWG solid copper wire
- ▲ 7.9mm in diameter
- ▲ RoHS compliant
- ▲ Printed meter marks on jacket
- ▲ Available in PVC or LSZH jacket
- ▲ 305m (1000ft) /500m (1640ft) wooden drum

APPLICATIONS STANDARDS

The category 7 S/FTP cable is manufactured and tested directly in accordance with the following major industry standards:

- ▲ ISO/IEC 11801 2nd Edition
- ▲ ANSI/TIA 568-C.2
- ▲ EN 50173
- ▲ IEC 61156-5
- ▲ EN 50288-3-1





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