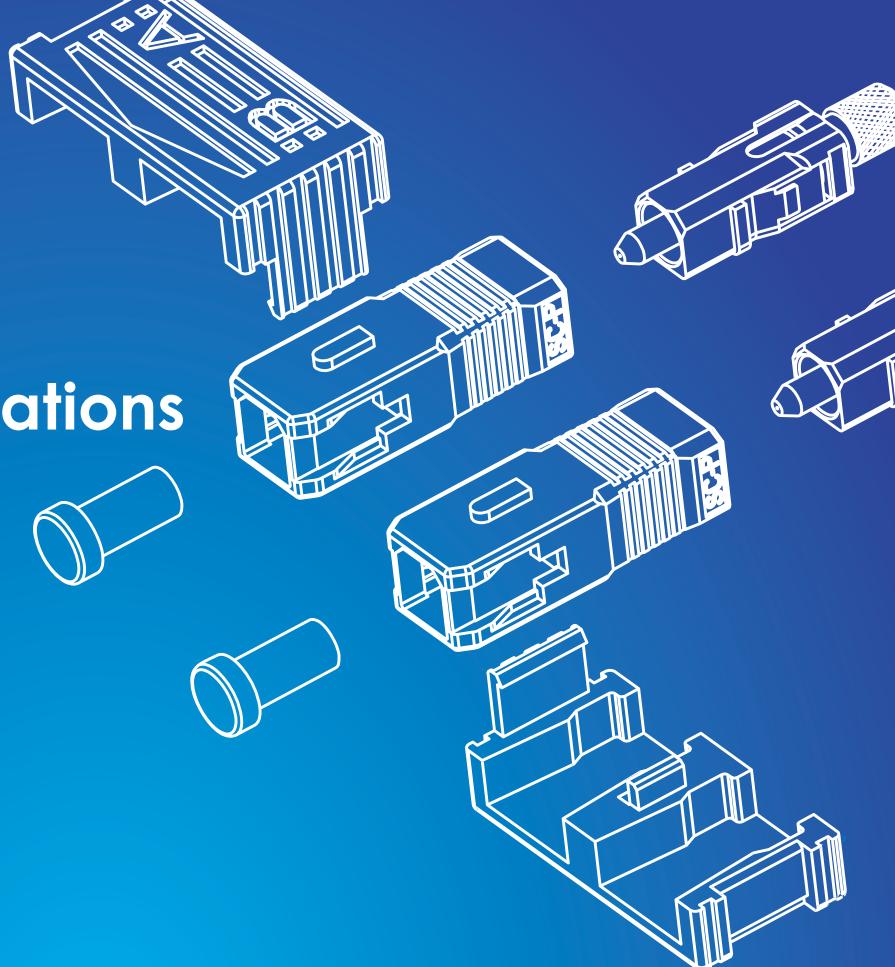


Fiber Optic Networking & Telecommunications



FIBER-REX™
Beyond Light Years

About Us

Fiber-Rex is a leading global brand of fiber optic solution for high speed data of both LAN and WAN networks.

Fiber-Rex offers a complete panel to panel solution, utilising all standard connectors and cable formats to deliver a high quality reliable optical solution. The Fiber-Rex solution includes a full range of low fire hazard free and high performance tight buffered and loose tube cables, a comprehensive range of connectors, adaptors, pigtails and patch cords.

All Fiber-Rex products are RoHS and REACH Compliant and manufactured to IEC, TIA/EIA and Telcordia specifications within ISO9001 approved facilities. The complete Fiber-Rex solution is covered by the 25 year warranty certification only available from authorised Fiber-Rex installation partners.

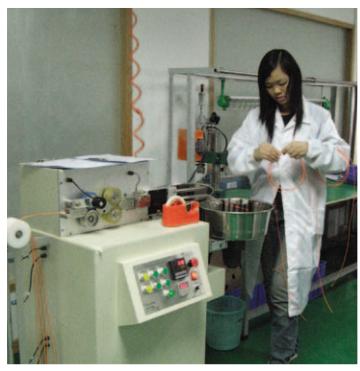
Our Business Mission

- To supply our customer with on time delivery and high quality products.
- To introduce a comprehensive range and made affordable fiber optic products.
- To provide customization services to meet non-standard and tailored-made requirements.

Our Presence

Kuala Lumpur, Malaysia is Fiber-Rex regional HQ, with offices in

- State of Minnesota, USA
- Manila, Philippines
- Shenzhen, China
- Hong Kong



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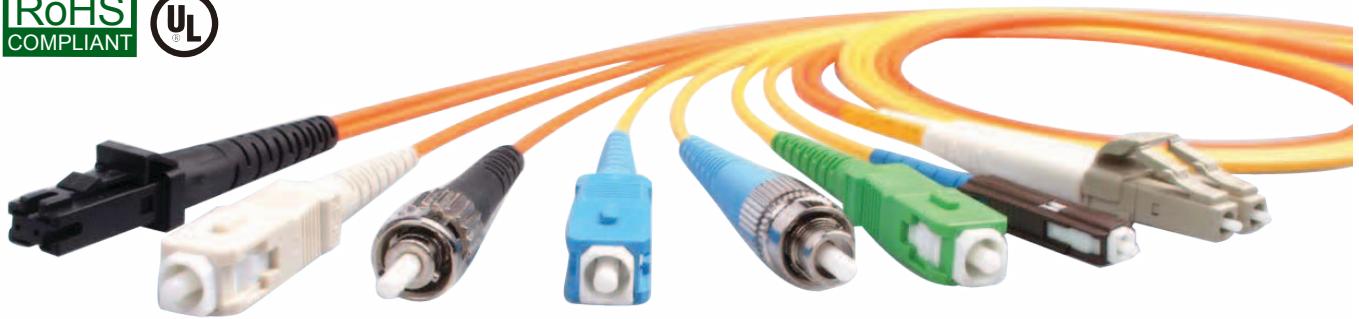
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FIBER OPTIC ASSEMBLIES

PATCHCORDS



Fiber-Rex fiber 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 traceability 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 Fiber-Rex offers different levels of optical performances to meet customer requirements.

OPTIC PERFORMANCE (MULTIMODE)		OPTIC PERFORMANCE (SINGLERE MODE)
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

conforms to Belcore GR-326

Product Packaging

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

Features

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

Options

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



ORDERING INFORMATION

To order optical fiber assemblies the Fiber-Rex part number follows the following sequence.

Connectors End 1 ¹	Connectors End 2 ¹	Fiber Type 62=62.5/125 50=50/125 09=9/125 OM3=OM3 OM4=OM4 7A=G657A 7B=G657B	Cable Configuration SI=Simplex DU=Duplex	Length(m) 1m 2m 3m 5m 10m XXm	Jacket Type LS=LSZH PV=PVC
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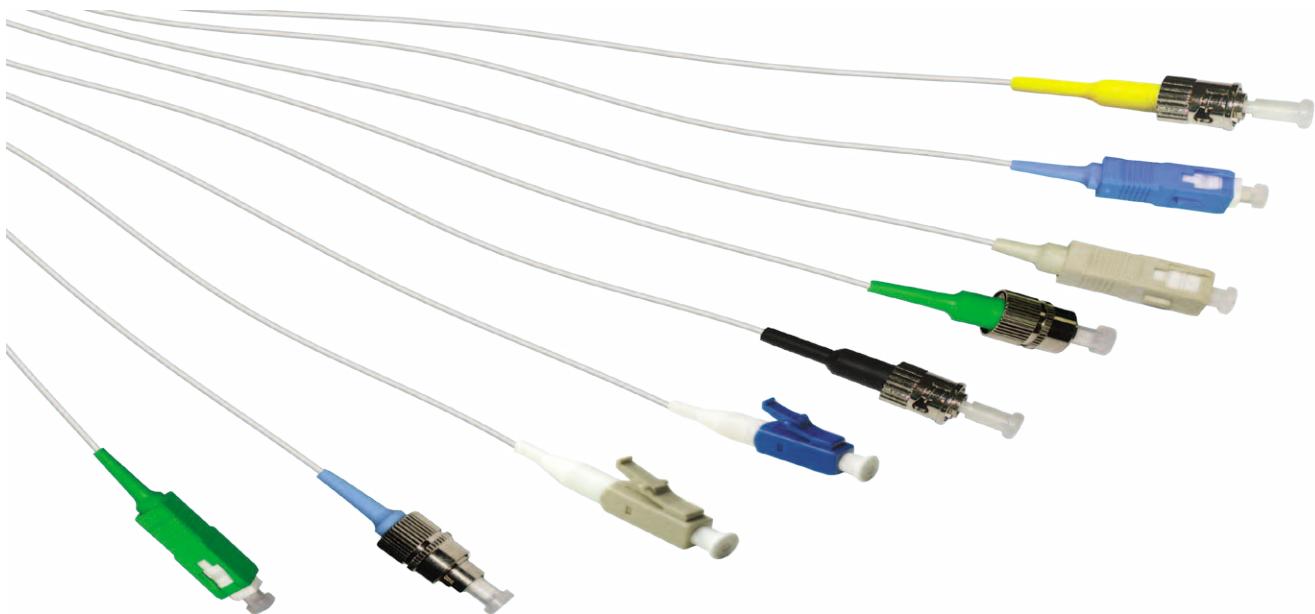
¹ Other connectors are available on request.

2 Other lengths are available on request.



Options: Your specifications and
your OEM packaging

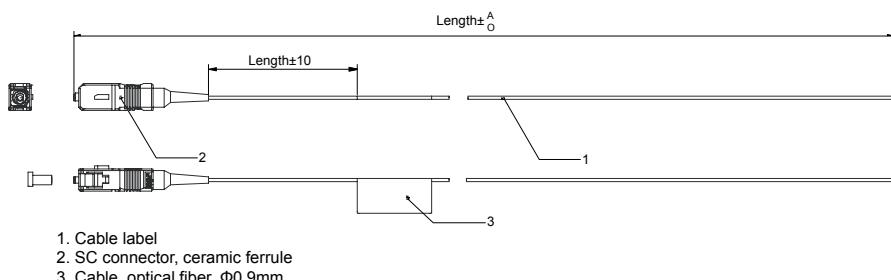
PIGTails



Features

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

OPTIC PERFORMANCE (MULTIMODE)	OPTIC 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



Options

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



ORDERING INFORMATION

To order optical fiber assemblies the Fiber-Rex part number follows the following sequence.

PT	Connectors	Fiber Type	Cable Type	Length(m)	Jacket Type
	FC FC/APC SC SC/APC ST LC LC/APC MU E2000	62=62.5/125 50=50/125 09=9/125 OM3=OM3 OM4=OM4 7A=G657A 7B=G657B	TB=Tight buffered LB=Loose buffered ES=Easy Strip	1m 2m 3m 5m 10m XXm	LS=LSZH PV=PVC

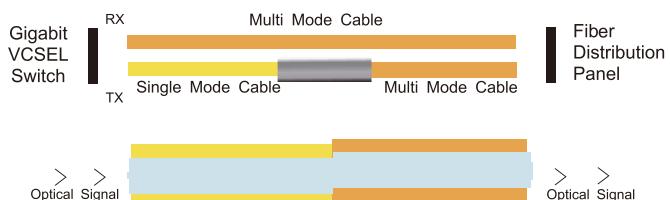
Other pigtails are available on request.

FIBER OPTIC ASSEMBLIES

MODE CONDITIONING PATCHCORDS



Mode Conditioning Principle



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

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)	

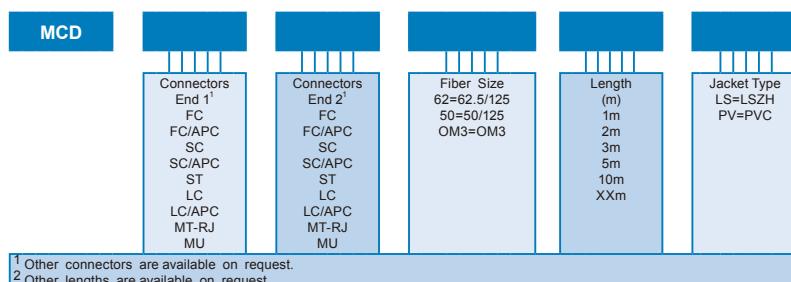
CONNECTORS AVAILABLE	
Types	FC , FC/APC , ST , SC , SC/APC , LC , MT-RJ , MU
Length	2m ± 10mm (Other lengths available to order)

Product Packaging

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

ORDERING INFORMATION

To order optical fiber assemblies the Fiber-Rex part number follows the following sequence.



ADAPTERS



SC Singlemode Duplex Adapter



SC/APC Singlemode Simplex Adapter



FC Singlemode Simplex Adapter



ST Singlemode Simplex Adapter



LC Singlemode Duplex Adapter



E2000 Multimode Simplex Adapter



SC Multimode Simplex Adapter



LC Singlemode Quad Adapter



MT-RJ Adapter



MTP™/MPO Adapter



SC-ST Multimode Duplex Adapter



FC-ST Singlemode Simplex Adapter

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

Fiber-Rex optical fiber 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 fibers 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.

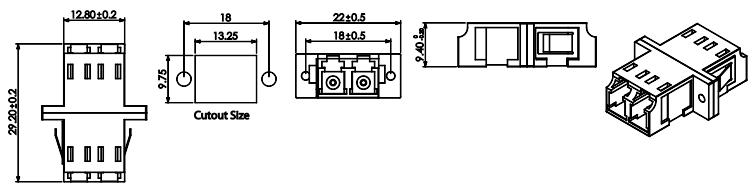
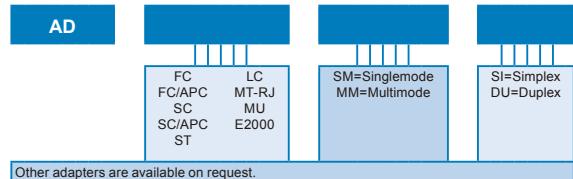
	CERAMIC	PHOSPHOR BRONZE	CONFORMANCE
Insertion Loss (Typ)	0.1 dB	0.15 dB	IEC 61300-3-4
Mating Durability	500		IEC 61300-2-2
Receptacle Retention force	1N - 2.5N		IEC 61754-20
Operating temperature	-25 to +70, 12 cycles		IEC 61300-2-22

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

ORDERING INFORMATION

To order optical fiber assemblies the Fiber-Rex part number follows the following sequence.



FIBER OPTIC ASSEMBLIES

CONNECTORS



Fiber-Rex connectors are manufactured using the best quality ferrules & components.

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

Product Packaging

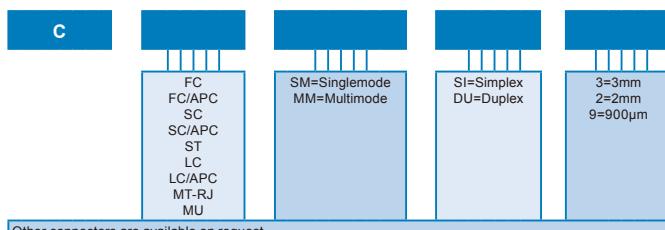
Standard packaging: 100pcs bulk packed, special packaging available by request

Options

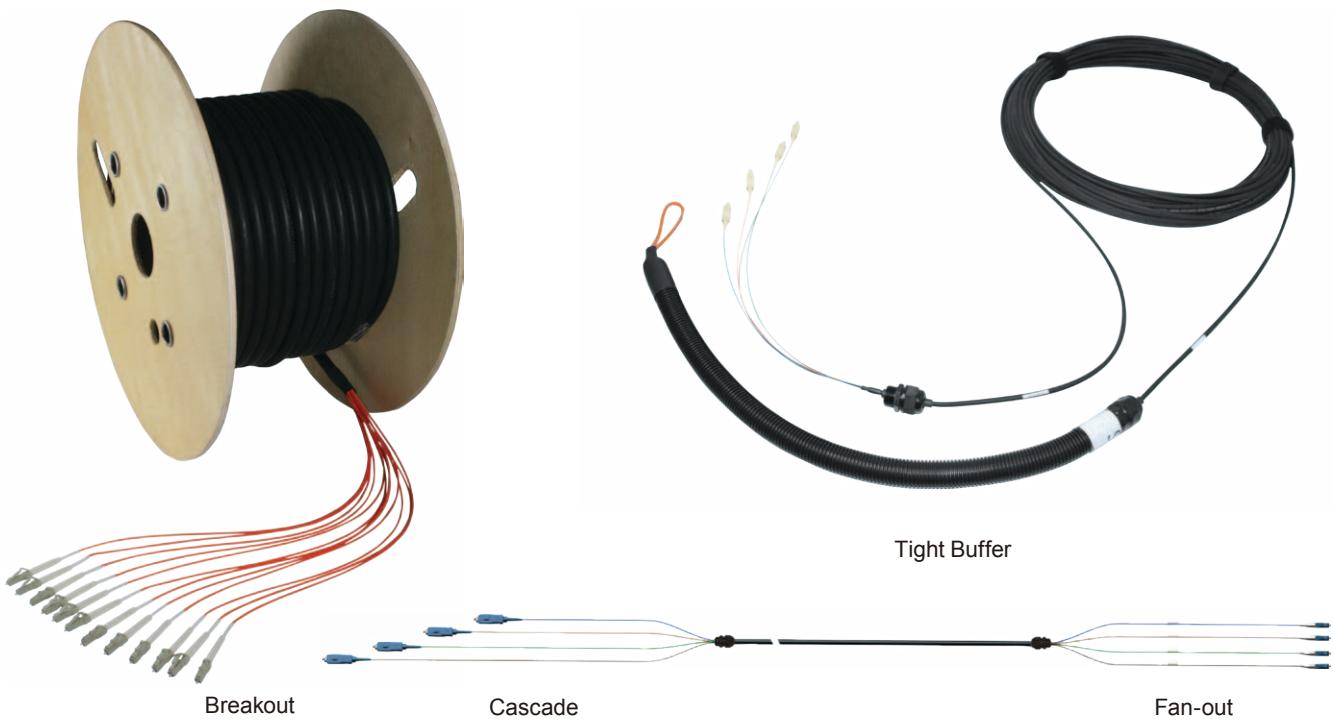
Connector versions available for : 3mm cable, 2mm cable and 900µm buffered fiber.

ORDERING INFORMATION

To order optical fiber assemblies the Fiber-Rex part number follows the following sequence.



PRE-TERMINATED CABLES



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 traceability & test certificate supplied with each assembly
- 100% tested for insertion loss and return loss

Options

- Bend insensitive fibers G657A/B
- OM4 fibers 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

ORDERING INFORMATION

To order optical fiber assemblies the Fiber-Rex part number follows the following sequence.

PRE	Cable Type ² TB = Tight buffer BK = Break out LT=Loose tube	Number of fibers 4 8 12 16 24 36 48	Connectors ¹ FC FC/APC SC SC/APC ST LC LC/APC MT-RJ MU E2000	Fiber Type 62=62.5/125 50=50/125 09=9/125 OM3=OM3 OM4=OM4 7A=G657A 7B=G657B	Length(m) ³ 25m 50m 75m 100m 150m 200m	CAS=Cascade FAN=Fan-out
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¹ Other connectors are available on request.

² Tight buffer LSZH internal/external cable is used as standard.

³ Special lengths are available on request.

Ask us for available stock and MOQ

FIBER OPTIC ASSEMBLIES

MTP™/MPO SOLUTIONS

MTP™/MPO Assemblies

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

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

Specifications

Connector complies with IEC-61754-7 and TIA/EIA-604-5

Insertion Loss typical: 0.3 dB;

Maximum: 0.6 dB

MTP™/MPO Trunks

Fiber-Rex 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 fibers in only one cable (from 12 to 144 Fibers).

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 Fibers
- Constructed from ruggedised tight buffer fiber cable
- Microcore double jack, high crash resistant cable
- LSZH/PVC, Plenum available

Part Number for trunk: MTP-MTP-XX-00

Part Number for Fan out: MTP-CO-XX-00

XX: Fiber type (09=9/125, 62=62.5/125, 50=50/125, OM3...)

CO = Connector (SC, LC, FC, E2000...)

00 : Cable length

MTP™/MPO Cassettes

Black cassette pre-assembled and ready to install (Plug & Play)

Designed to fit modular sliding tray panel MP3.

MTP™/MPO Cassette 12 port SC

Part Number: M-MTP-XX-12SC

MTP™/MPO Cassette 24 port LC

Part Number : M-MTP-XX-24LC

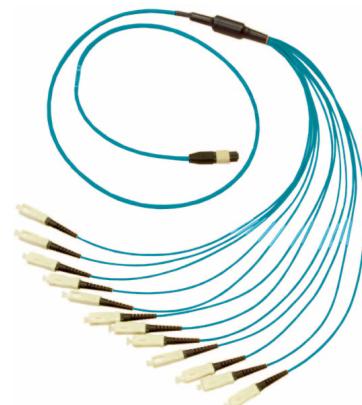
XX: Fiber type (09=9/125, 62=62.5/125, 50=50/125, OM3...)

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.

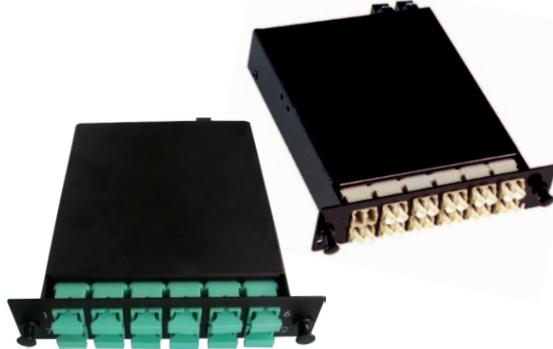
Part Number : MP3



MTP™/MPO Fan-out



MTP™/MPO Trunk



MTP™/MPO Cassettes



Modular Patch Panel MP3

ATTENUATED PATCHCORDS



Fiber-Rex high performance attenuated patchcords are used to attenuate the optical 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.

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)

ORDERING INFORMATION

To order optical fiber assemblies the Fiber-Rex part number follows the following sequence.

ATP	Connectors End 1 ¹	Connectors End 2 ¹	Fiber Type 62 = 62.5/125 MM 50 = 50/125 MM 09 = 9/125 SM	Cable Configuration SI = Simplex DU = Duplex	Length(m ²) 1m 2m 3m 5m 10m XXm	Attenuation 01=1dB 02=2dB 15=15dB 20=20dB XX=XXdB
	FC FC/APC SC SC/APC ST LC LC/APC MT-RJ MU	FC FC/APC SC SC/APC ST LC LC/APC MT-RJ MU				

¹ Other connectors are available on request.

² Other lengths are available on request.

FIBER OPTIC ASSEMBLIES

ATTENUATORS

Plug-in type Fixed Attenuator



FC Attenuator



SC Attenuator



LC Attenuator

Adopting advanced attenuation fiber technology, Fiber-Rex 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 Fiber-Rex optical attenuators are manufactured using the best quality components.

Dimensions	FC -10mm (OD) x 30mm (L)	SC -35mm (L) x 12.7mm (W) x 9.5mm (D)	LC -33mm (L) x6mm (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)		

Product Packaging

Each attenuator is packaged individually.

Features

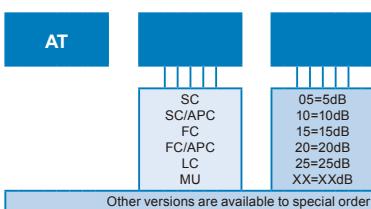
- Plug-in type package
- Accurate attenuation
- Ultra low back reflection
- Broad wavelength band
- Flat response over all wavelengths
- Environmentally stable
- Quick delivery

Applications

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

ORDERING INFORMATION

To order optical fiber assemblies the Fiber-Rex part number follows the following sequence.



INDOOR OPTICAL FIBER CABLE

Cable Design

- Optical fiber
- Tight buffer
- Aramid yarn strength member
- Outer sheath

Features

- Choice of fiber type
- Choice of outer diameter
- High strength aramid yarn strength members
- Easy to strip
- Choice of outer sheath material
- Choice of outer sheath color

Main Applications

As connecting cables between buildings; as connecting cable along wall, ceiling, layers and tubes; as Pigtailed for communication equipment; as moveable connecting cables and patchcords.

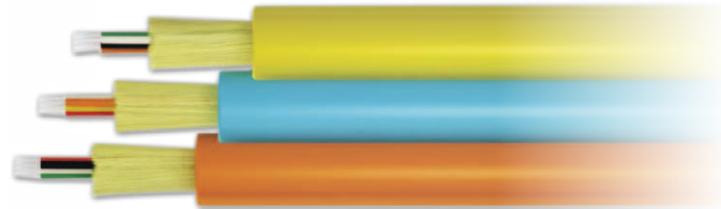
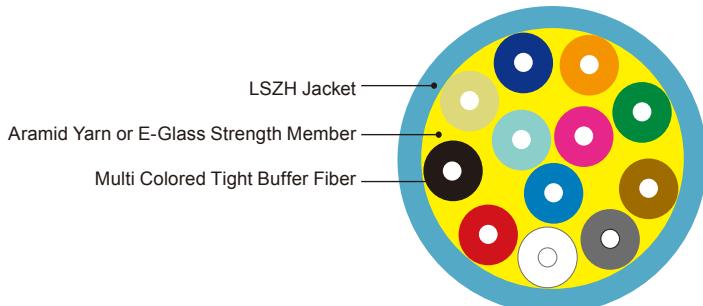
Temperature Characteristics

Operating temperature range: -20°C to +60°C

Storage temperature range: -20°C to +60°C

Environmental Characteristics

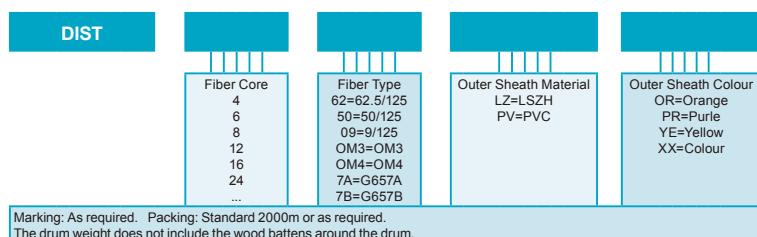
This cable meets RoHS requirement.

Distribution Optic Cable**TECHNICAL CHARACTERISTICS**

DISTRIBUTION OPTICAL FIBER CABLE							
Fiber core		4	6	8	12	16	24
Normal weight	kg/km	19	23	29	33	53	60
Outer diameter	mm	4.6	5.0	6.2	6.8	7.4	8.4
Normal drum dimensions	mm	630	630	760	760	760	900
Drum weight	kg/pcs	25	25	25	33	33	54
Long term tensile strength	N	300	400	500	600	800	1200
Short term tensile strength	N	500	600	800	1100	1500	2000
Minimum static bending radius				10D			
Minimum dynamic bending radius				20D			
Long term crush resistance	N			300			
Short term crush resistance	N			1000			

ORDERING INFORMATION

To order optical fiber cables the Fiber-Rex part number follows the following sequence.

**Options**

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

FIBER OPTIC CABLES

INDOOR OPTICAL FIBER CABLE

Cable Design

- Simplex cable
- FRP strength member
- Water blocking tape
- Outer sheath

Features

- Choice of fiber type
- Individual aramid yarn strength members
- Easy to use
- Lightweight and compact
- Choice of outer sheath material
- Choice of outer sheath color

Main Applications

Internal break-out cable for horizontal distribution

Temperature Characteristics

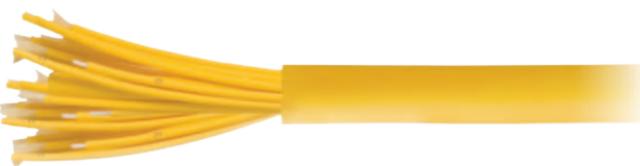
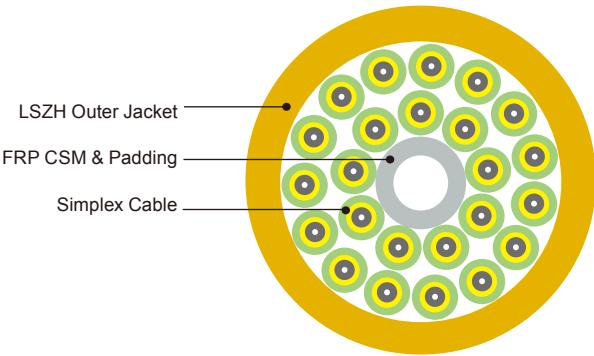
Operating temperature range: -20°C to +60°C

Storage temperature range: -20°C to +60°C

Environmental Characteristics

This cable meets RoHS requirement.

Break-Out Optical Cable



TECHNICAL CHARACTERISTICS

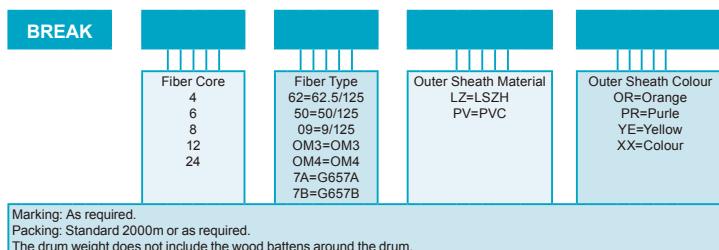
FIBER NUMBER	OD	CABLE WEIGHT	DRUM DIMENSIONS	DRUM WEIGHT	MIN. BEND RADIUS		MAX. TENSION (N)	
					Static	Dynamic	Short terms	Long terms
4	7.2	54	mm	43	10D	20D	500	270
6	8.3	75		54			1000	600
8	9.4	100		54			1100	700
12	12.2	170		76			1400	800
24	15.6	230		108			2300	1100

ORDERING INFORMATION

To order optical fiber cables the Fiber-Rex part number follows the following sequence.

Options

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



AERIAL FIBER CABLE

Cable Design

- Optical fiber
- Fiber jelly
- Loose tube
- Steel wire strength member
- Jelly filling
- Al/PET tape
- Outer sheath
- Steel messenger wire

Features

- Choice of fiber type
- Colour coded fiber
- High water resistance
- Self supporting
- PE outer sheath

Main Applications

The figure of 8 cables are suitable for the installation in aerial environments.

Temperature Characteristics

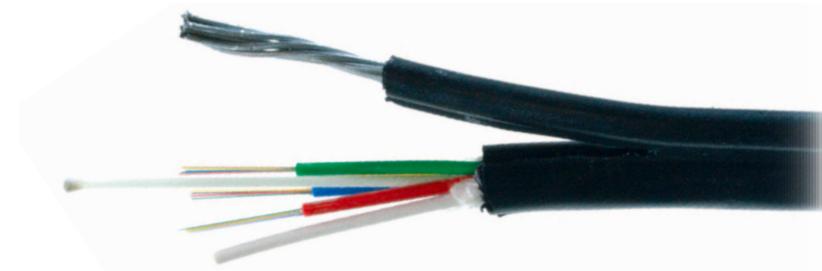
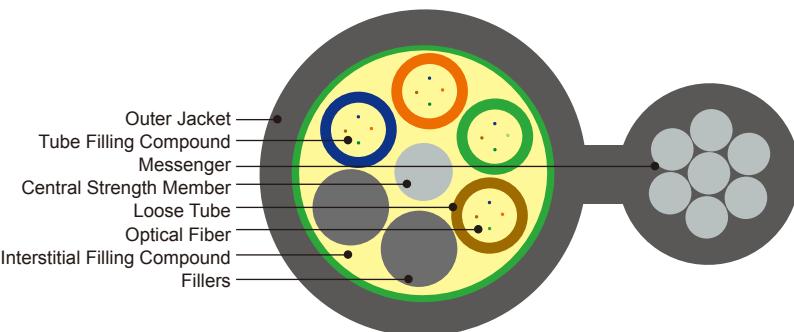
Operating temperature range: -20°C to +60°C

Storage temperature range: -20°C to +60°C

Environmental Characteristics

This cable meets RoHS requirement.

GYTC8S

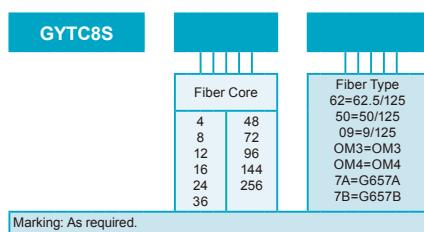


TECHNICAL CHARACTERISTICS

FIBER NUMBER	OD	CABLE WEIGHT	DRUM DIMENSIONS	DRUM WEIGHT	MIN. BEND RADIUS		MAX. TENSION (N)		CRUSH LOADING (N/100MM)	
	mm	kg/km	mm	kg/pcs	Static	Dynamic	Short terms	Long terms	Short terms	Long terms
4	9.8x18.8	210	1100	76	10XD	20XD	7000	3500	2000	1000
8	9.8x18.8	210	1100	76						
12	9.8x18.8	210	1100	76						
16	9.8x18.8	210	1100	76						
24	10.2x19.3	230	1100	76						
36	10.2x19.3	116	1100	76						
48	10.7x19.7	230	1100	76						
72	11.3x20.3	255	1200	94						
96	12.9x21.9	350	1300	108						
144	16.3 x22.7	390	1400	158						

ORDERING INFORMATION

To order optical fiber cables the Fiber-Rex part number follows the following sequence.



FIBER OPTIC CABLES

FTTH DROP FIBER CABLE

The Optical fiber unit is positioned in the center. Two parallel steel or FRP wires are placed at the two sides.

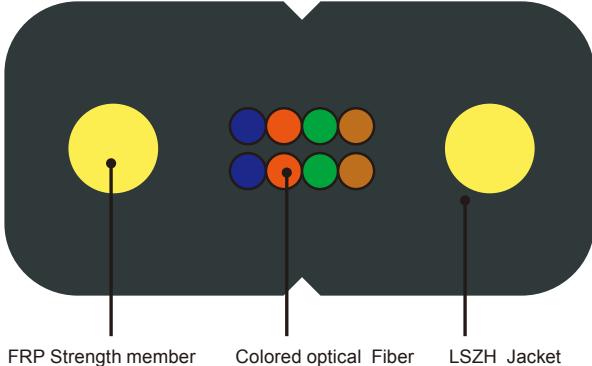
Then, the cable is completed with a black or other colored LSZH Sheath. Most suitable for floor routing.

Features

- Choice of fibre types
- Individually coloured optical fibres
- Notched construction for easy stripping
- White LSZH jacket for internal use

Main Applications

As FTTH cable, for indoor horizontal and vertical cabling; Indoor cabling under carpet and along corner.



Temperature Characteristics

Operating temperature range: -20°C to +60°C

Storage temperature range: -40°C to +60°C

Environmental Characteristics

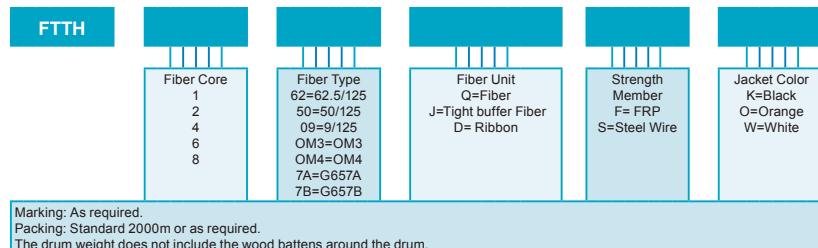
This cable meets RoHS requirement.

TECHNICAL CHARACTERISTICS

FIBER NUMBER	OD mm	WEIGHT kg/km	MIN. BEND RADIUS		MAX. TENSION (N)		CRUSH LOADING (N/100MM)	
			Static	Dynamic	Short terms	Long terms	Short terms	Long terms
1	(2.0±0.2)x(3.0±0.2)	8	15mm	30mm	100	30	300	1000
2	(2.0±0.2)x(3.0±0.2)	8.5						
4	(2.0±0.2)x(4.0±0.2)	11						
6	(2.0±0.2)x(4.5±0.2)	13						
8	(2.5±0.2)x(4.0±0.2)	14						

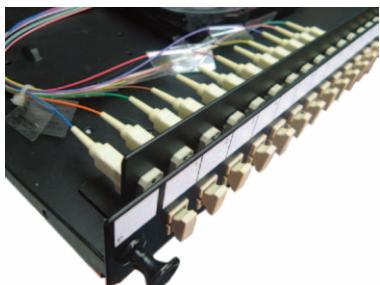
ORDERING INFORMATION

To order optical fiber cables the Fiber-Rex part number follows the following sequence.



SLIDING PATCH PANELS

Plan view



Recess



Sliding chassis



Rear view



45° working angle



Easy Panel Identification Cabelling



SLIDING PATCH PANELS

Description

MP3 modular 3 ports LGX

P24F Panel 24 Positions ST / FC

P24S Panel 24 Positions SC simplex foot print or LC duplex

P24D Panel 24 Positions SC duplex foot print or LC duplex

P12D Panel 12 Positions SC duplex foot print or LC duplex

Features

- Recessed panel option
- Recessed adapters giving better bend radius
- Environmentally friendly materials & packaging
- No exposed screws
- Screen printed for easy labelling
- 45° working angle
- Multi functional rear cable entry options
- Panel number & rack number identification labels
- High quality finish, no sharp edges
- 4 cable entries (2XPG16 , 2XPG13.5)
- Panels available in any color

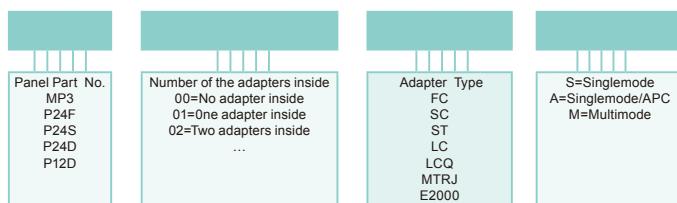
SPECIFICATION

Width	Depth	Height	Weight	Colour
19"-483mm	200mm	1U	2.8kg Fully loaded	Black RAL9004

Cable entry 2X25mm gland holes 2X20mm gland holes

ORDERING INFORMATION

To order patch panels the Fiber-Rex part number follows the following sequence.



SEC Panels Removable Front Plates



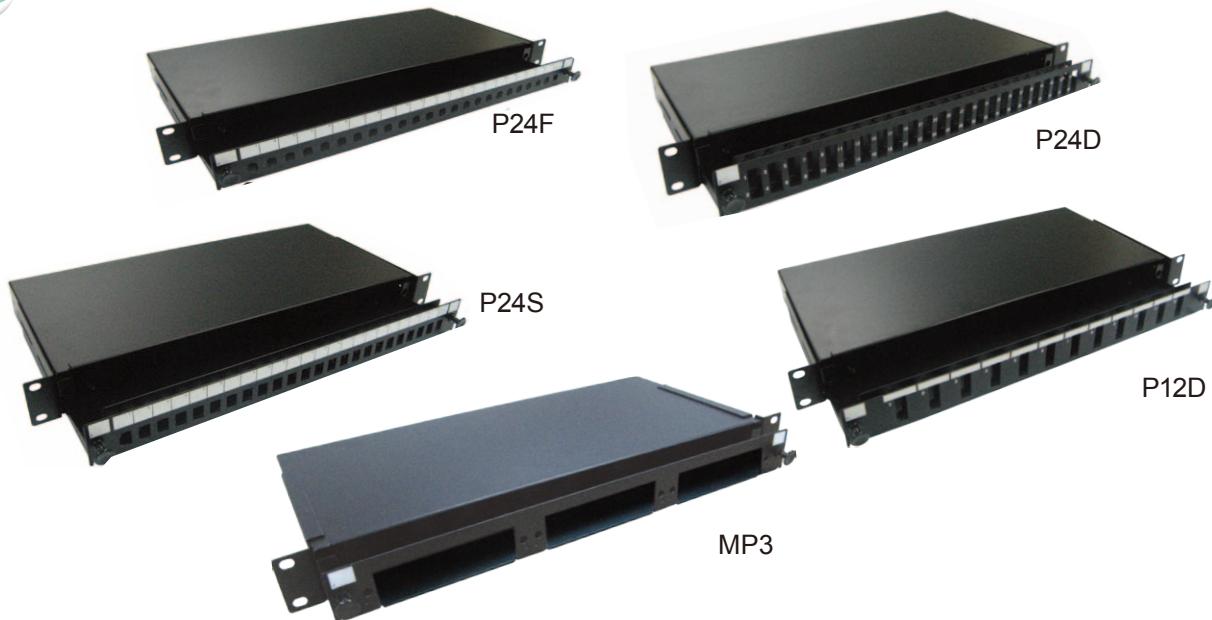
Ask us for more information

FIBER MANAGEMENT

FULLY LOADED PATCH PANEL

1

Choose the Panel



2

Choose the adapter



3

Choose the pigtail



4

Choose the accessories



5

Packaging

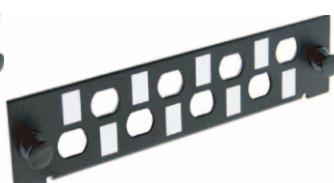


MODULAR PATCH PANELS



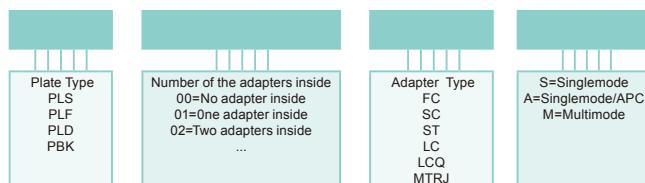
Part No.:MP3

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.

8 PORT SC SIMPLEX / LC DUPLEX PLATE
Part No.: PLS8 PORT ST SIMPLEX / FC SIMPLEX PLATE
Part No.: PLF6 PORT SC DUPLEX / LC QUAD PLATE
Part No.: PLDBLANKING PLATE
Part No.: PBK

ORDERING INFORMATION

To order patch panels the Fiber-Rex part number follows the following sequence.



FTTX BOX

INDOOR/OUTDOOR TERMINATION BOX - SFOD02



Product Introduction

- For indoor or outdoor wall mounting
- Suitable for 8 SC simplex or 8 LC duplex adapters
- Maximum 12 fibers 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

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)

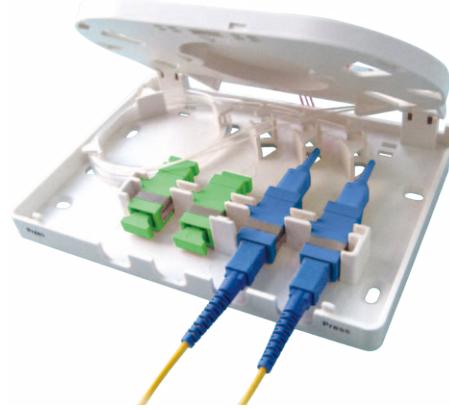


WALL OUTLET-SFID02

Product Introduction

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

Function	Termination of optical fiber
Adapter	SC, LC
Optional Optic cables	General indoor distribution cable
Dimension (LxWxH)	150X110X30mm



SFID02

FTTX BOX

WALL MOUNTED TERMINATION BOX - SFOD03



SFOD03



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.

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

WALL OUTLET-SFTH01

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



Function	Termination of optical fiber
Adapter	SC,LC
Optional Optic cables	Figure 8 soft cable/general outdoor cable/indoor wiring FTTH drop cable
Material	ABS
Dimension (LxWxH)	86X86X27mm



SFTH01

SPLICE CLOSURE



SOFDM06

The SOFDM06 is a round dome type. A hoop is used to fix and seal the enclosure's cover and base, making its installation quite simple. SOFDM06 is provided with 4 fiber cable inlet/outlet ports, and sealing is achieved by tightening the nut after inserting the fiber cable. The SOFDM is suitable for protecting fiber cable splices in straight-through and branching applications. It can be placed in aerial, underground, wall-mounting, hand hole mounting and duct-mounting applications. Based on an advanced formula, the plastic parts are manufactured from injection molded, high-strength engineering plastic, effectively preventing the product aging due to coldness, heat, oxygen and ultraviolet radiation. The strong housing and main components are fire resistant, waterproof and quakeproof while protecting the splices during pulling, torsioning and impacting. It ensures long term reliability and usage under ambient temperatures from -40°C to +65°C.

Features

- Dome, vertical type, small size
- 4 pcs inlet/outlet
- 48~96 cores total capacity
- Slide-in-lock design, over 90° opening angle tray
- Elastic integrated seal and hoop ensure a tight fit
- Housing provides fire resistance, waterproofing and quakeproofing for splices while handling
- Operating Temperature: -40°C~+65°C

General

- Dimensions: 190(Diameter) x 410(H) mm
- Inlets & outlets

Applications

- Installation: aerial, underground, wall, hand-hole and duct-mounting

THE ORDERING GUIDANCE

TYPE	SIZE (MM) H × D	CORE CAPACITY	CABLE PORT (MAX)	MAX DIAMETER OF CABLE (MM)
SOFDM06-12	410×Φ190	12	4	1 x Φ12~25 3 x Φ8~16
SOFDM06-24		24		
SOFDM06-36		36		
SOFDM06-48		48		
SOFDM06-72		72		
SOFDM06-96		96		

SPLICE ENCLOSURE



SOFSC-B

The innovatively designed SOFSC-B is an arc and horizontal type that is hinged on one side and that opens on the other side. Two insert plates and fixing bolts are used to fix and seal the enclosure.

The SOFSC-B utilizes a patented elastic seal who's construction is based on an advanced formula, It is manufactured from injection-molded, high quality elastic sealing material in a quality controlled environment. The seal is installed between SOFSC housing and insert plates.

DIMENSION AND CAPACITY	
Outside dimension (LxWxH)	410x200x120(mm)
Weight (excluding outside box)	1900g-2100g
Number of inlet/outlet ports	6 ports (3 each side)
Diameter of fiber cable	Φ8—Φ16(mm)
Capacity	6—96(Cores) Ribbon: max. 144 (Cores)

THE ORDERING GUIDANCE

TYPE	UNIT	OPTICAL FIBER SPLICE TRAY (OFST) (INCLUDING HEAT SHRINKABLE PROTECTIVE SLEEVE)	TOTAL CAPACITY (CORES)
SOFSC-B24	Set	OFST with 1-24 cores	24 cores
SOFSC-B48	Set	OFST with 24-48 cores	48 cores
SOFSC-B72	Set	OFST with 48-72 cores	72 cores
SOFSC-B96	Set	OFST with 72-96 cores	96 cores



Higher splicing
capacity available

FIBER MANAGEMENT

WALL MOUNTED CABINETS



Lockable side panels



Sliding mounting angles



Secure lock



Quick release door



Side latch



Strong and robust 19" wall mounted cabinet, with a lockable steel framed glass door for safety and security, quick release hinges allow for easy access to the cabinet for loading equipment and cables, with gland plate covers on the top and bottom of the cabinet to allow for cable entry. The sides of the cabinet are ventilated to improve air flow.

Features

- 600mm wide
- 6U, 9U, 12U and 15U 450mm deep
- Sliding 19" mounting profiles front and rear
- Standard ventilation top and bottom
- Vented framed door with safety glass
- Rear panel installation
- Heavy duty construction – 60kg (UDL)
- Pre-assembled
- Lockable side panels
- Door opens 180 degrees, hinged left or right
- Built in cable strain relief positions
- Grey – RAL7035

Specifications

- | | |
|--|-------|
| • Top and base panel | 1.2mm |
| • Side panels | 1.2mm |
| • Framework | 1.2mm |
| • 19" mounting angles | 1.5mm |
| • Matching lock configuration on side panels | |
| • Individual lock on front door | |
| • Chassis support (L RAIL) Maximum load
20Kgs One pair included | |
| • Material thickness | 1.2mm |

ORDERING INFORMATION

HEIGHT	DEPTH	WIDTH	WEIGHT	PART NO.
6U	450mm	600mm	20.5kg	SOFWC0106G
9U	450mm	600mm	24kg	SOFWC0109G
9U	600mm	600mm	28.5kg	SOFWC0209G
12U	450mm	600mm	27.5kg	SOFWC0112G
12U	600mm	600mm	32.5kg	SOFWC0212G

HEIGHT	DEPTH	WIDTH	WEIGHT	PART NO.
15U	450mm	600mm	31kg	SOFWC0115G
15U	600mm	600mm	36kg	SOFWC0215G
18U	450mm	600mm	36.5kg	SOFWC0118G
18U	600mm	600mm	42kg	SOFWC0218G

FLOOR STANDING CABINETS

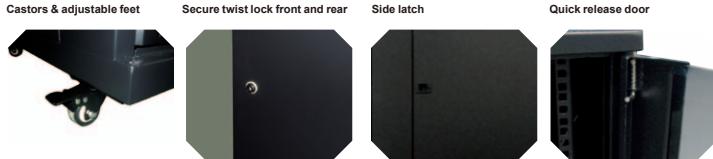
Our range of 19" floor standing cabinets are high quality, competitive cabinets that offer real value for money in today's market. Our cabinets consist of an aluminium frame chassis, a choice of glass and steel doors. All round access is available via removable side panels, while the front or rear doors have quick release pins for easy removal. Front and rear mounting angles are fully adjustable through the depth of the cabinet. earthing kit and foam cable entry glands are included in the base. A robust design and attractive styling combines strength and appearance; ideal for office environments, data networking, broadcast, security and audio visual applications.

Features

- Lightweight but strong aluminium frame and corner castings
- 800kg Static load capacity (UDL)
- Width: 600mm or 800mm
- Depth: 600mm, 800mm and 1000mm
- Available in 27U, 37U, 42U and 47U
- Doors are made from vented steel or toughened glass, and open to 180 degrees
- Adjustable feet and heavy duty castors making levelling quick and efficient
- Lockable side panels
- Ventilation is provided by an open area that is over 55% of the available area
- Multi-function top panels

Data Cabinets Include

- 1 x Frame
- 1 x Glass front door
- 1 x Steel rear door
- 2 x Steel lockable side panels
- 4 x Travel castors.
- 4 x Adjustable feet
- Top covers on all sizes are blanks as standard, see other options
- All 800mm wide cabinets include 2 cable management channels

**ORDERING INFORMATION**

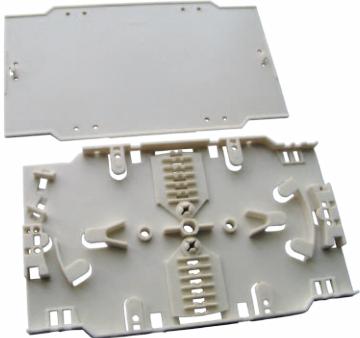
HEIGHT	WIDTH	DEPTH	SIZE	PART NO.
1410	600	600	27U	SOFAC6627B
1410	600	800	27U	SOFAC6827B
1410	600	1000	27U	SOFAC6027B
1410	800	1000	27U	SOFAC8027B
1850	600	600	37U	SOFBC6637B
1850	800	600	37U	SOFBC8637B
1850	800	800	37U	SOFBC8837B
2080	600	600	42U	SOFCC6642B
2080	600	800	42U	SOFCC6842B
2080	600	1000	42U	SOFCC6042B

HEIGHT	WIDTH	DEPTH	SIZE	PART NO.
2080	800	600	42U	SOFCC8642B
2080	800	800	42U	SOFCC8842B
2080	800	1000	42U	SOFCC8042B
2300	600	600	47U	SOFDC6647B
2300	600	800	47U	SOFDC6847B
2300	600	1000	47U	SOFDC6047B
2300	800	600	47U	SOFDC8647B
2300	800	800	47U	SOFDC8847B
2300	800	1000	47U	SOFDC8047B

FIBER MANAGEMENT

ACCESSORIES

To compliment our range of fiber management products, Fiber-Rex also offer a full range of accessories to help you to construct, manage and splice your fiber network.



Splice tray lid and holder (Available in Beige or black)

Part No.:

TRAYBK = Tray black color

TRAYBG = Tray beige color



Fiber management kits (1 cable gland PG13.5, 8 Bunny clips, 1 Splice bridge 24 Fibers and 1 warning label)

Part No.: FMKIT



Panel blanks

Part No.:

BLKSCSI = Blank SC simplex

BLKSCDU = Blank SC duplex

BLKFC = Blank FC or ST

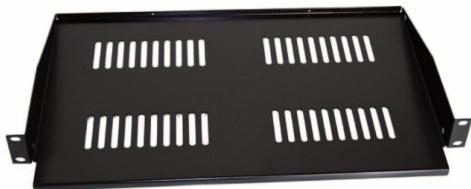


Splice protectors

Part No.:

SPLICE45 = Splice 45mm

SPLICE60 = Splice 60mm



Shelf 1U or 2U, 300mm deep

Part No.:

SHELF1 = 1U shelf

SHELF2 = 2U shelf



1U fan unit 19"

Part No.:

FAN2 = 2 fans unit

FAN4 = 4 fans unit

CABLE BARS

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



Cable management bars
Part No.:
BAR1 = 1U cable management bar
BAR2 = 2U cable management bar



Cable Management Bar with brush strip 1U 19"
Part No.: BAR3



Blanking plates available in 1U and 2U
Part No.:
BLANK1 = Blank plate 1U
BLANK2 = Blank plate 2U

Cable management Rail,12 Slot, 19" 1U
Part No.: RAIL1U



Cable Brush 1U 13" (3 hole brush strip)
Part No.: BRUSH

 Power Distribution Units (PDU)



Ask us for more information

ACTIVE COMPONENTS

MEDIA CONVERTERS

ETHERNET FIBER MEDIA CONVERTER 10/100 Mpbs

Media Converters provide an intelligent solution for fiber 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 fiber optic port. Plug-and-play simplicity makes connection easy.

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, optical SC, FC, ST connector	
Transmission Type	10/100M FDX/HDX	
Wavelength(typical)	Multi-mode	1310nm (\leq 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	



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 Gigabit Ethernet networks.

Applications

- LAN
- FTTx
- Telecommunication networks

Technical Specification

Complies with	IEEE802.3 10 Base-T IEEE 802.3u 100Base-TX/FX IEEE 802.3ab 1000BaseT IEEE 802.3z 1000BaseSX/LX	
Connector	UTP RJ-45 connector, optical SC, FC, ST connector	
Wavelength(typical)	Multi-mode	850nm (\leq 550m) 1310nm (\leq 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	



MEDIA CONVERTERS

MULTIMODE TO SINGLEMODE MEDIA CONVERTER

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

Applications

- LAN
- FTTx
- Telecommunication networks

Technical Specification

Complies with	IEEE 802.3u 100BaseFX IEEE 802.3z 1000BaseSX/LX	
Transceiver Type	Multi-mode or single mode	
Transceiver Connector Types	Duple x SC,ST, FC	
Wavelength(typical)	Multi-mode	850nm (\leq 550m) 1310nm (\leq 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	



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 enterprise-level 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



14 Slots Media Converter Chassis

PLC SPLITTERS



1X32 SCA Module



PLC Splitter (19" Rack Mount) Module

Planar splitters are available in the form of either module cassette , rack-mount or wall-mount box with a fiber 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.

Features

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

Applications

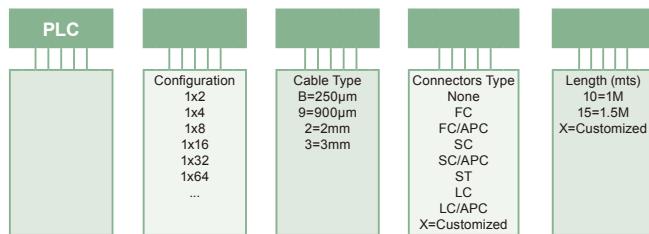
- Optical fiber communication systems
- Optical fiber access networks
- Optical fiber CATV
- Optical fiber test equipment
- Monitoring systems
- Optical fiber sensor
- Light source distribution

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			
Fiber Type		SMF-28e with 3mm cable or customer specified			
Wavelength Dependent Loss(dB)		1.0	1.0	1.0	1.0
Temperature Stability(-40~ 85°C)(dB)		0.6	0.6	0.8	1.0
Operating Temperature(°C)		-20~65			
Storage Temperature(°C)		-40~85			
Housing Dimension (LxWxH)(mm)		100X80X9	100X80X9	120X80X9	140X114X18

Note: All measurements were done at room temperature, and specifications include connectors

ORDERING INFORMATION

To order PLC Splitters the Fiber-Rex part number follows the following sequence.



Bend Insensitive fiber available for Splitters



www.fiber-rex.com



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Amang Rodriguez corner Evangelista Sts.,
Pasig City, 1600 Philippines.
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Mobile : (63917) 829-1731
Sales: sales@fiber-rex.co
Inquiry: inquiry@fiber-rex.co
Website : www.fiber-rex.com

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www.fiber-rex.com



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