FAIRTECH AB
OPTICLINK GROUP

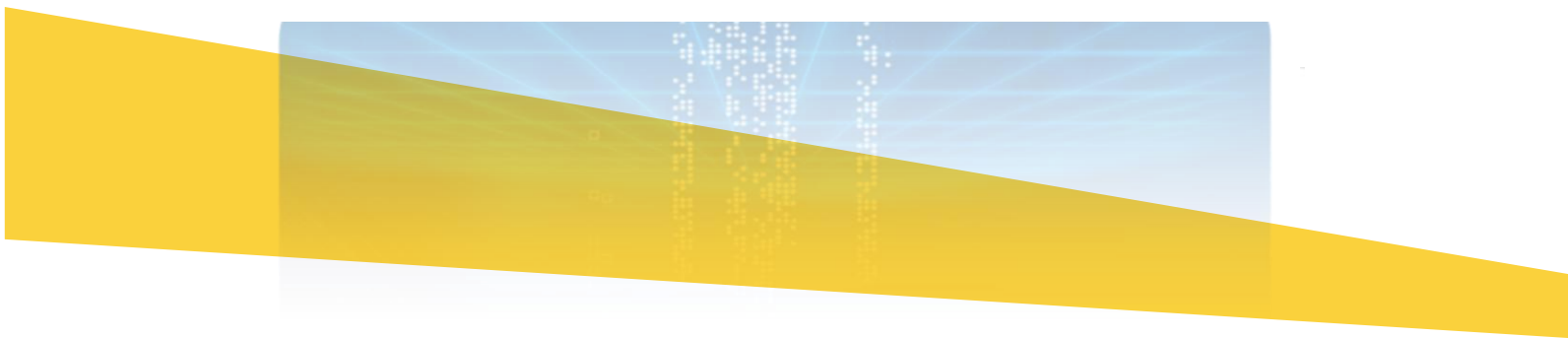**Fairtech AB**

Fiairtech group is a scandinavian manufacturer for fiber optical cable and Telecom solutions. Founded in 2003 in Sweden and factory for fiber optic products located in China on the name of Opticlink .

It was the result of extensive development utilizing the Group's research & development capabilities coupled with our cabling experiences, to provide the most competitive yet technology and advanced solutions.

The core of the Fairtech group is the comprising of accessories to complement our cables solutions, with high quality and international standard.

We help you deliver more bandwidth and capacity, accelerate performance and availability, improve efficiency, and implement simpler,

To access our Fairtech AB web site www.fairtech.se
To access our Sales office web site www.opticlinknet.com

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O_{pticlin}k

Contents

FIBER OPTIC ASSEMBLIE

Fairtech **AB**

PIGTAILS

PIGTAILS

ST Multimode Pigtail	SC Multimode Pigtail	FC Multimode Pigtail	LC Multimode Pigtail
ST Singlemode Pigtai	SC Singlemode Pigtai	FC Singlemode Pigtai	LC Singlemode Pigtai
SC /APC Singlemode Pigtai	MTRJ Multimode Pigtai	LC/ APC Singlemode Pigtai	FC/ APC Singlemode Pigtai

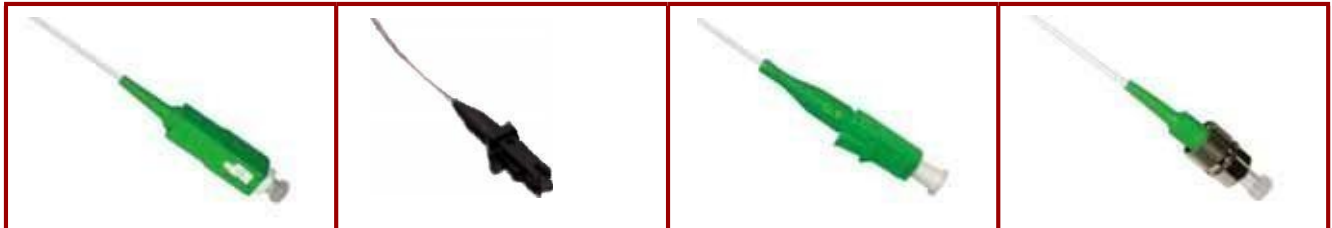Optical fiber pigtails are essential when terminating cables within the splice enclosure. Purchasing pre polished assemblies takes the risk of poor connector termination away from the project. Cables terminated within a production facility will give a higher performance than cables terminated on site.

The Opticlink range of optical fiber pigtails has grown through the years, from every day standard versions to special products to meet your needs. From industry standard 62.5/125 multimode to 9/125 singlemode right the way up to state of the art OM3 50/125 and now OM4.

cable assemblies, we are able to supply them all. with our cable assembly you can be confident you are using the

cable, connectors and manufacturing

Features :

- Multimode & Singlemode applications ST/SC/FC/LC/E2000/MU Connector types
- Ultra polish & Angle polish options available all terminations are manufactured to exceed performance parameters
  set by industry standards
- Fast turn around of non-standard requirements
- Full traceability & test certification supplied with each assembly

Opticlink

MPO SOLUTIONS

MPO ssemblies

Opticlink of fers an ex tensive line of high - densit y MPO multi fiber
connector products including jumpers, fan-out

MPO Cable :

- OS1,OM1,OM2,OM3
- Fanout available with LC, SC, ST, FC, MU, or MTRJ connector.
- Available both as patch cable and fanouts
- No termination needed reduce installation time and cost

  The MPO connector is the most compact connector available on
  Multistrand fiber cables
  MPO Cables are the most compact multifiber cable around.What's
  More, you get up 12 fibers in a single cable run.
  Run multistrand fiber optic cables without worrying about expensive, time
  - consuming termination. Because they're preterminated, you can
  installed test them in the same day.

Specifications :

Fiber type 62.5/125um multimode
Insertion Loss Typical: 0.7 dB; Maximum: 1.0 dB
MPO Crimp Sleeve Tin-plated copper
MPO Ferrule Reinforced thermoplastic with stainless-steel
alignment/guide
MPO Grip Housing VO-rated thermoplastic
MPO Strain-Relief Boot VO-rated thermoplastic rubber

MPO Cable

MPO Module :

MPO 12 ports SC module

Black module pre-wired for 12 SC connections.

Designed to fit modular sliding tray panel

MPO 24 port LC module

Black module pre-wired for 24 LC connections via two
MPO connections. Designed to fit modular sliding tray panel.

MPO Module
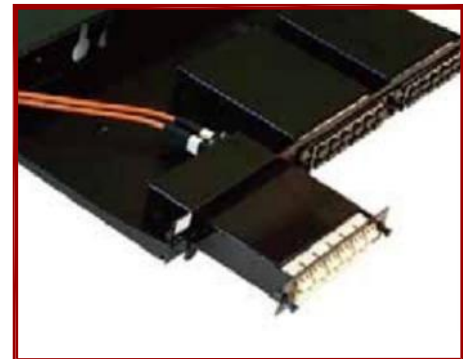
Modular Patch Panel

19" 1u Black sliding tray patch panel for 3 modules.
Supports up to 36 SC connections with 3 MPO links or 72 MTRJ / LC
connections with 6 MPO links.

Modular Patch Panel

MPO Fan-out :

MPO fan-out for use inside patch panels and wall boxes. Available in SC,
ST, FC, LC & MTRJ terminations.
12 way MPO to 12 SC,
12 way MPO to 12 LC,

OS2,OM1,OM2,OM3

Fan-out MPO

- Adapters

- Connectors

- Attenuators

ADAPTERS

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 & MPO & HYBRID ADAPTERS

MT-RJ Adapter	MPO Adapter	SC-ST Multimode Simplex 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. Our adaptors are precision made to ensure perfect alignment of connectors, reducing insertion loss. In the most cases the sleeve is the critical part of the system that aligns the ferrule part of the connectors keeping the fibers in perfect alignment.

Generally there are two type of the alignment sleeve within an adaptor, phosphore bronze for the multimode or Zirconia(ceramic) for the singlemode.

In the case of MTRJ and MPO the alignment is carried out by two small 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.

Product Packaging

Packing according to the requirement and OEM

Features :

- Available as FC, SC, ST, LC, METRJ and MPO
- Available in simplex, duplex, quad(LC) and hybrid type
- High precision zirconia or standard phosphor bronze   sleeves
- Low insertion loss
- High repeatability and stability

Applications:

- Fiber distribution
- Telecommunication systems
- Testing instrument
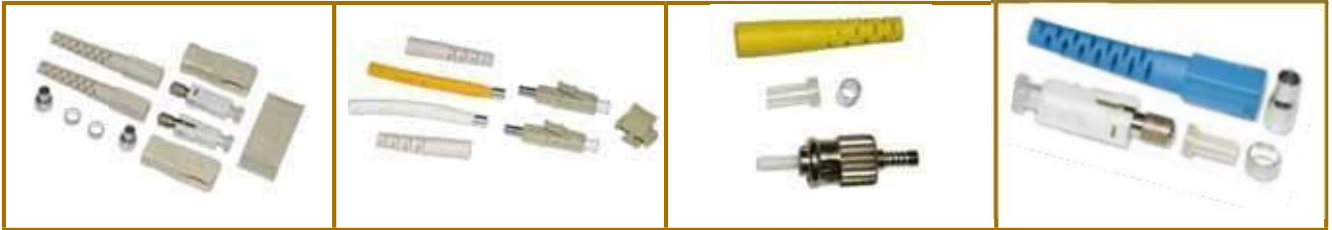
CONNECTORS

ST Multimode Simplex Connector

FC Multimode Simplex Connector

E2000 Multimode Simplex Connector

MTRJ Multimode Duplex Connector

SC Multimode Duplex Connector

LC Multimode Duplex Connector

ST Singlemode Simplex Connector

SC Singlemode Simplex Connector

FC Singlemode Simplex Connector

LC Singlemode Simplex Connector

E2000 Singlemode Simplex Connector

LC SM simplex 45°connector

Description

The connectors are mainly used in the telecommunications market due to precision interconnect and secure connection, but can be seen in every area of the communications environment.

The OPTICLINK connectors are manufactured using the best quality components. The connector exceeds all areas of t he standards covering optical fiber connectors.

Optical Performance (Multimode)	Optical Performance (Singlemode)		Intermateability	Mechanical		
Insertion loss	Insertion loss	Return Loss	Optically and mechanically compatible with all equivalent connectors. (Compliant with IEC 61754-13)	Capillary diameter tolerance:	Ferrule Diameter: 2.5 ± 0.001mm	Tensile Strength Cable retention: >50N
Max. 0.3 dB	Max. 0.3 dB	UPC>50dB Typical 55dB		SM-126 ± 0. 5um	Pre-radiused ,PC-end finish for Physical Contact ferrule	
Typical 0.15 dB	Typical 0.2 dB	APC>60dB Typical 65 dB		MM-127 ± 0.5um	to ferrule. R 10 to 25mm	(2&3mm boot versions only)

Product Packaging

Standard packaging: 100pcs bulk packed Special packaging available by request Termination Procedures Prep cable end

Options

Connector version available : 3mm cable, 2mm cable and 900um, buffered fiber

PLUG-IN TYPE FIXED ATTENUATOR

| SC Attenuator | FC Attenuator | LC attenuator | MU Attenuator |

Adapting advanced attenuation fiber technology, plug-in type fixed value attenuator features high power endurance and low backreflection, suitable for high speed digital transmission and analog applications. Available in singlemode or multimode, FC, SC, ST, LC and MU type.

Description

OPTICLINK attenuators are manufacturer by precision and high 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 APC>60db		
Attenuation Tolerance	Attenuators, 5db+ 0.5db attenuators, 6 to 30db + 10% of the attenuation		
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 wavelength
- Quick delivery

Applications :
- Telecommunication network
- Fiber optic sensors
- Test and measurment
- LAN and WAN
- FTTX
- CTV

- Zipcord(Simplex, Duplex) optic cable
- Figure zero optic cable
- Distribution optic cable
- Break out optic cable Loose
- tube optic cable Armoured
- Outdoor optic cable Aerial

  optic cable

FIBER OPTIC CABLE

INDOOR OPTICAL FIBER CABLE

ZIPCORD (SIMPLEX, DUPLEX) OPTIC CABLE

Cable Design
- Optical fiber
- Tight buffer
- Aramid yarn
- Outer jacket

Features
- Fiber type SM(G652/G657/G655)
  MM(OM1/OM2/OM3/OM4)
- Outer diameter(1.8/2.4/2.8/3)mm
- Easy strip, tight buffer, semi tight buffer
- Jacket : LSZH.PVC
- Color : standard color

Main Applications

Building to building interconnection; indoor distribution; pigtail of the instrument-type communication equipment, as the moveable connect line for patch cords and connectors
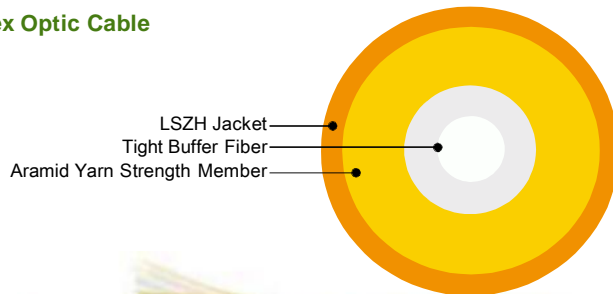
Temperature Characteristics

Operate temperature range: -20ć to +60ć
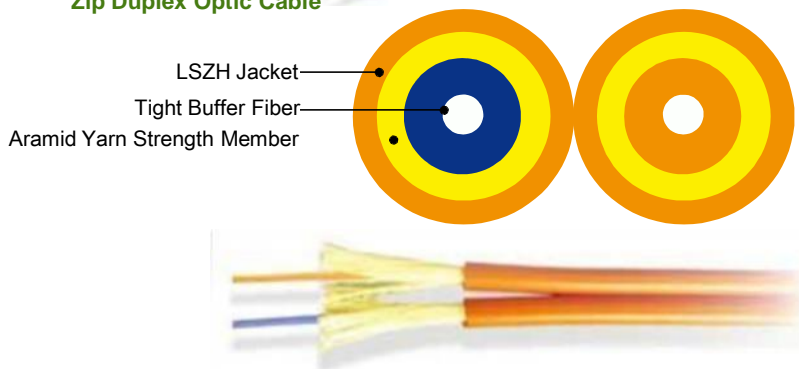Storage temperature range: -20ć to +60ć

Environmental Characteristics

This Cable meets RoHS requirements

Zip Simplex Optic Cable

LSZH Jacket
Tight Buffer Fiber
Aramid Yarn Strength Member

Zip Duplex Optic Cable

LSZH Jacket
Tight Buffer Fiber
Aramid Yarn Strength Member

Technical Characteristics

Simplex Optical Fiber Cable						
Outer Diameter	mm	1.6	1.8	2.0	2.4	3.0
Normal Weight	kg/km	2.6	3.0	3.5	5.0	6.8
Long term tensile strength	n	40	40	60	60	80
Short term tensile strength	n	80	80	100	100	150
Minimum Static bending radius	m	10D				
Minimum Dynamic bending radius	m	20D				
Long term crush resistance	N	500				
Short term crush resistance	N	100				

Duplex Optical Fiber Cable					
Outer Diameter	mm	1.6X3.3	1.8X3.7	2.0X4.1	2.8X5.7
Normal Weight	kg/km	5.7	6.7	8.2	13.2
Long term tensile strength	n	40	40	60	60
Short term tensile strength	n	160	160	200	300
Minimum Static bending radius	m	10H			
Minimum Dynamic bending radius	m	20H			
Long term crush resistance	N	500			
Short term crush resistance	N	100			

Marking: As required.   Packing: standard 2000m or as required.

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INDOOR OPTICAL FIBER CABLE

Figure 0 OPTIC CABLE

Cable Design
- Optical Fiber
- Tight Buffer
- Aramid yarn
- Inner Sheath
- Outer Sheath

Features
- Choice of Fiber Type
- Choice of Outer diameter
- Aramid yarn
- Easy to Strip
- Choice of Outer Sheath Material
- Choice of Outer Sheath Colour

Main Applications

Indoor horizontal and vertical laying, direct connection to outdoor cables

As pigtail for communication equipment and cable for patchcords and connectors.

Temperature Characteristics

Operate temperature range: -20ć to +60ć
Storage temperature range: -20ć to +60ć

Environmental Characteristics

This Cable meets RoHS requirements

Flat Duplex Optic Cable

- LSZH Jacket
- Simplex LSZH Jacket
- Tight Buffer Fiber
- Aramid Yarn Strength Member
- Rip Cord

Round Duplex Optic Cable

- LSZH Jacket
- Tight Buffer Fiber
- Aramid Yarn Strength Member

Technical Characteristics

Flat Duplex Optical Fiber Cable			
Outer Diameter	mm	3.0x5.0	3.8x6.6
Tight buffer diameter	um	900±50	
Subunit Simplex diameter	mm	2.0±0.1	2.8±0.1
Normal Weight	kg/km	18	31
Long term tensile strength	mm	120	120
Short term tensile strength	N	250	250
Minimum Static bending radius	mm	10H	
Minimum Dynamic bending radius	mm	20H	
Long term crush resistance	N	500	
Short term crush resistance	N	100	
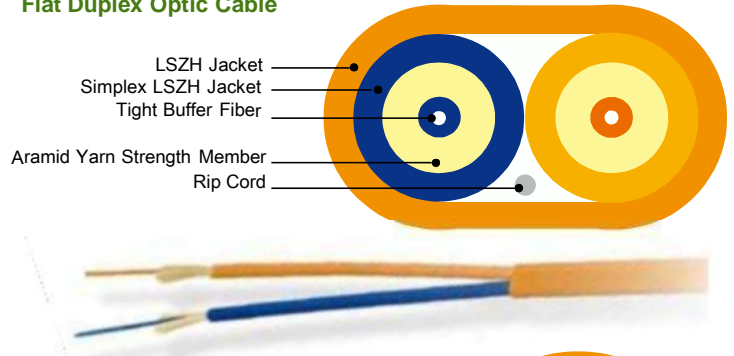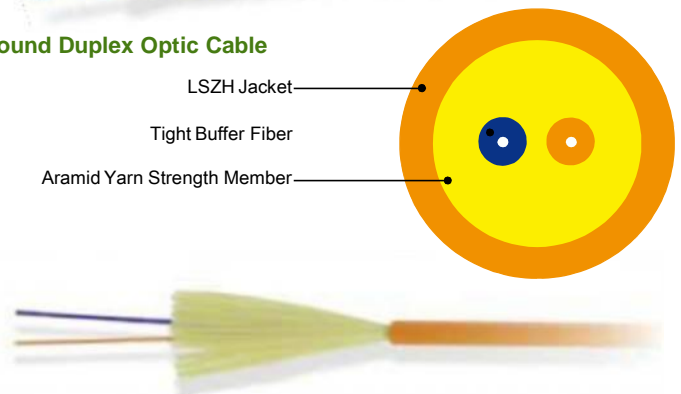
Round Duplex Optical Fiber Cable			
Outer Diameter	mm	3.0	5.0
Normal Weight	kg/km	7.6	19.0
Long term tensile strength	mm	40	160
Short term tensile strength	N	80	80
Minimum Static bending radius	m	10D	
Minimum Dynamic bending radius	m	20D	
Long term crush resistance	N	500	
Short term crush resistance	N	100	

Marking: As required. Packing: standard 2000m or as required.

INDOOR OPTICAL FIBER CABLE

DISTRIBUTION OPTIC CABLE

Cable Design
- Optical Fiber
- Tight Buffer
- Aramid yarn
- Outer Sheath

Features
- Choice of Fiber Type
- Choice of Outer diameter
- Aramid yarn
- Easy to Strip
- Choice of Outer Sheath Material
- Choice of Outer Sheath Colour

Main Applications

As connecting cables between buildings; as

connecting soft cable along wall, ceiling, layers and

tubes; as

pigtail of communication equipment; as the moveable connecting cable and patchcord

Temperature Characteristics

Operate temperature range: -20ć to +60ć

Storage temperature range: -20ć to +60ć

Environmental Characteristics

Technical Characteristics
This Cable meets RoHS requirements

LSZH Jacket

Aramid Yarn or E-Glass Strength Member

Multi Coloured Tight Buffer Fiber
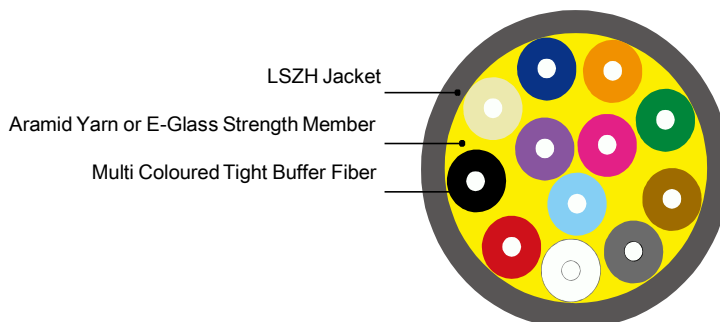
Distribution Optical Fiber Cable							
Fiber Core		4	6	8	12	16	24
Normal Weight	kg/km	4.6	5.0	6.2	6.8	7.4	8.4
Outer Diameter	mm	19	23	29	33	53	60
Normal Drum Dimensions	mm	630	630	760	760	760A	900
Drum Weight	kg/pcs	25	25	25	33	33	54
Long term tensile strength	N	130	130	130	130	200	240
Short term tensile strength	N	440	440	440	440	600	720
Minimum Static bending radius		10D					
Minimum Dynamic bending radius		20D					
Long term crush resistance	N	200					
Short term crush resistance	N	1000					

Marking: As required. Packing:

standard 2000m or as required.

The Drum weight not includes the

wood battens around the drum.

FIBER OPTIC CABLE

INDOOR OPTICAL FIBER CABLE

BREAK-OUT OPTIC CABLE

Cable Design
- Simplex cable
- FRP Strength Member
- Water Blocking Tape
- Outer Sheath

Features
- Choice of Fiber Type
- Individual aramid yarn
- Easy to use
- Lightweight and compact
- Choice of Outer Sheath Material
- Choice of Outer Sheath Colour

Main Applications
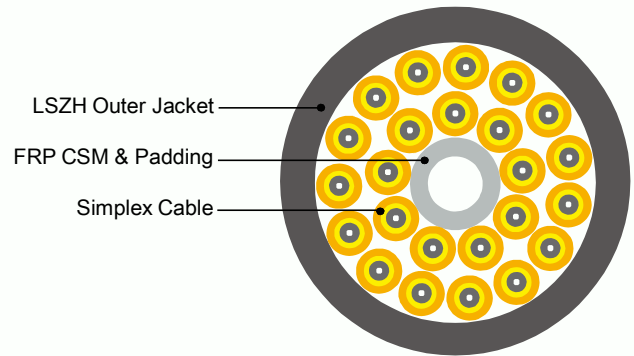Internal break-out cable for horizontal distribution

Temperature Characteristics
Operate temperature range: -20ć to +60ć

Storage temperature range: -20ć to +60ć

Environmental Characteristics
This Cable meets RoHS requirements

LSZH Outer Jacket

FRP CSM & Padding

Simplex Cable

Technical Characteristics

Fiber Number	OD	Cable Weight	Drum Dimensions	Drum Weight	Min. Bend Radius		Max. Tension (N)	
	mm	kg/km	mm	kg/pcs	Static	Dynamic	Short terms	Long terms
2	7.2	45	800	43				
4	7.2	54	800	43				
6	8.3	75	900	54	10D	20D	6600	220
8	9.4	100	900	54				
12	12.2	170	1100	76				
24	15.6	230	1300	108				

Marking: As required.   Packing: standard 2000m or as required. The Drum weight not includes the wood battens around the drum.

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INDOOR/OUTDOOR OPTICAL FIBER CABLE

LOOSE TUBE OPTIC CABLE (4-144 CORE)

Cable Design
- Optical Fiber
- Fiber jelly
- Loose Tube
- F5P Strength Member
- Aramid yarn or E-glass
- Outer Sheath

Features
- Choice of Fiber Type
- Colour code of Fiber
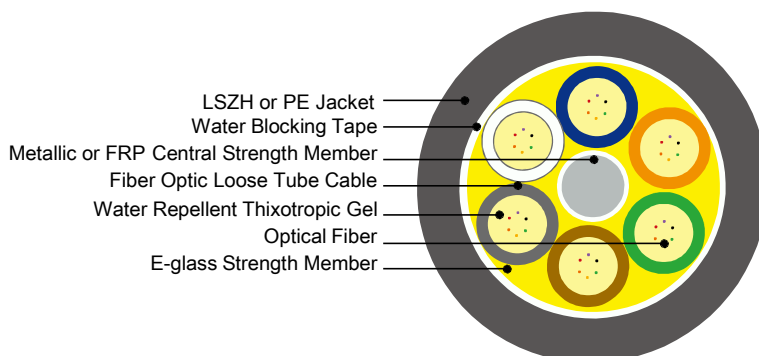- Choice outer sheath material

Main Applications

Suitable for internal or external applications in ducts

or intra-building links in campus environments

Temperature Characteristics

Operate temperature range: -20ć to +60ć

Storage temperature range: -20ć to +60ć

Environmental Characteristics
This Cable meets RoHS requirements

LSZH or PE Jacket
Water Blocking Tape
Metallic or FRP Central Strength Member
Fiber Optic Loose Tube Cable
Water Repellent Thixotropic Gel
Optical Fiber
E-glass Strength Member

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	6.5	35	800	43	10XD	20XD	1000	500	1000	300
6	6.5	35	800	43						
8	6.5	35	800	43						
12	6.5	35	800	43						
24	12.4	150	1100	76			1500	600	1000	300
36	12.4	150	1100	76						
48	12.4	150	1100	76						
72	14.0	200	1200	94						
96	14.0	200	1200	94						
144	17.8	250	1400	158						

Marking: As required.   Packing:

standard 2000m or as required.

The Drum weight not includes the

wood battens around the drum.

FIBER OPTIC CABLE

OUTDOOR OPTICAL FIBER CABLE

CORRUGATED STEEL TAPE ARMOURED

Cable Design
- Optical Fiber
- Fiber jelly
- Loose Tube
- Steel :ire Strength Member
- Jelly Filled
- Steel Tape
- Outer Sheath

Features
- Choice of Fiber Type
- Colour code of Fiber
- High water resistance
- PE Outer Sheath

Main Applications
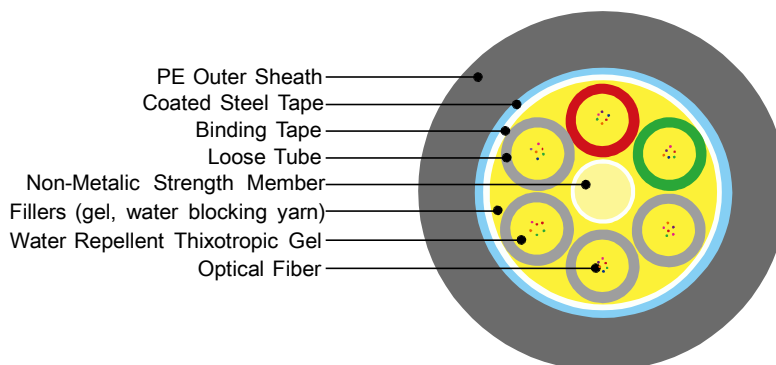Suitable for external applications in ducts,

Temperature Characteristics
Operate temperature range: -20ć to +60ć

Storage temperature range: -20ć to +60ć

Environmental Characteristics
This Cable meets RoHS requirements

PE Outer Sheath
Coated Steel Tape
Binding Tape
Loose Tube
Non-Metalic Strength Member
Fillers (gel, water blocking yarn)
Water Repellent Thixotropic Gel
Optical Fiber

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	10.1	105	900	54						
8	10.1	105	900	54						
12	10.1	105	900	54						
16	10.1	105	900	54						
24	10.6	105	900	54						
36	11.1	116	1000	67	10XD	20XD	1500	600	300	1000
48	11.4	135	1000	67						
72	11.9	160	1100	76						
96	12.9	170	1100	95						
144	16.3	260	1300	108						
256	18.7	295	1400	158						

Marking: As required. Packing:
standard 2000m or as required.
The Drum weight not includes the
wood battens around the drum.

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FIBER OPTIC CABLE

AERIAL FIBER CABLE

GYTC8S

Cable Design
- Optical Fiber
- Fiber jelly
- Loose Tube
- Steel wire Strength Member
- Jelly Filling
- Al/PET Tape
- Outer Sheath
- Steel wire Messenger
- Outer sheath of Messenger

Features

- Choice of Fiber Type
- Colour code of Fiber
- High water resistance
- Self-Support
- PE Outer Sheath

Main Applications

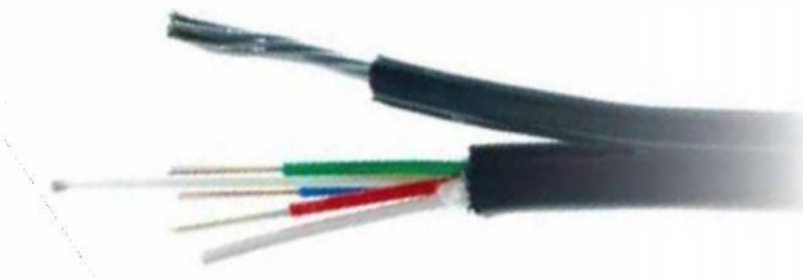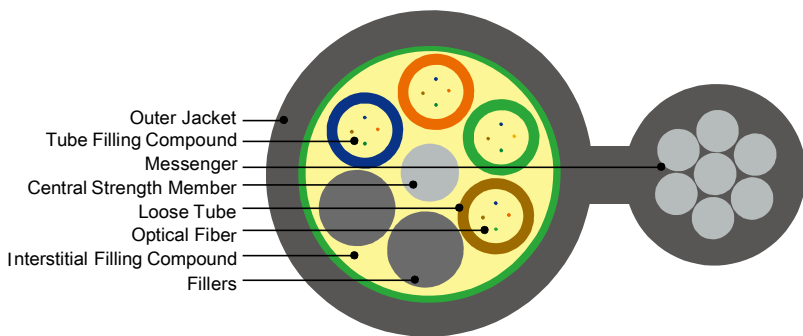The figure of 8 cables are suitable for installation in aerial environments

Temperature Characteristics

Operate temperature range: -20ć to +60ć

Storage temperature range: -20ć to +60ć

Environmental Characteristics

This Cable meets RoHS requirements

Outer Jacket
Tube Filling Compound
Messenger
Central Strength Member
Loose Tube
Optical Fiber
Interstitial Filling Compound
Fillers

Technical Characteristics

Fiber Number	OD	Cable Weight	Drum Dimension					.	i		/	i)	
	mm	kg/km	mm	/	t ti			t r	r		t r	r	
4	9.8x18.8	210	1100										
8	9.8x18.8	210	1100										
12	9.8x18.8	210	1100	76									
16	9.8x18.8	210	1100	76									
24	10.2x19.3	230	1100	76	10XD	20XD	7000	3500	2000	1000			
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									

Marking: As required. Packing:

standard 2000m or as required.

The Drum weight not includes the

wood battens around the drum.

Opticlink

- **Fixed patch panels**
- **Sliding Patch Panels**
- **Empty Chassis Panel**
- **Modular Patch Panels**
- **Double door Lockable wall Boxes**
- **Single door Lockable wall Boxes**
- **Cable Accessories**
- **Splice Closure**
- **Wall Mounted Cabinets**
- **Floor Standing Cabinets**
- **Accessories**

Opticlink

SLIDING PATCH PANELS

SLIDING PATCH PANELS

The sliding patch panel system in its basic form is supplied with the panels unloaded without adapters ready for you to install the adapter of your choice. The panel can also be pre-loaded complete with the required adapter and simple splice management kit, or pre-loaded with pigtails to meet your project needs. 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 move the tray to the side and it will lock to lower only 10°. This provides the perfect working platform for simple installation or easy maintenance and access even after the panel is installed in the rack.

Plan view

Recess option

Panel packaging

Rear view

45° working angle

Secured lid

Features
- Better bend radius
- Environment friendly material &package
- screen printed for easy labeling
- 45 degree working angel
- Multi functional rear cable entry options
- Panel number rack number identification label
- No sharp edges
- 4 cable entries

Specifications
- 1.2 mm cold rolled steel
- P o w d e r coated in black or grey

Opticlink

SLIDING PATCH PANELS

SLIDING PATCH PANELS

Part No.:SP0016STM

Part No.:SP0124STM

Part No.:SP0324SCM

Part No.:SP0508SCM

Part No.:SP0712SCM

Part No.:SP0924SCM

Sliding Patch Panels
Description
SP00 16 Position ST / FC Patch Panel BLACK
SP01 24 Position ST / FC Patch Panel BLACK
SP03 24 Position SC / LC / E2000 Patch Panel BLACK
SP05 8 Position SC Duplex / LC QUAD Patch Panel BLACK
SP07 12 Position SC Duplex / LC QUAD Patch Panel BLACK
SP09 24 Position SC Duplex / LC QUAD Patch Panel BLACK

Specifcation

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

Cable entry 4X10mm gland holes   2X20mm gland holes

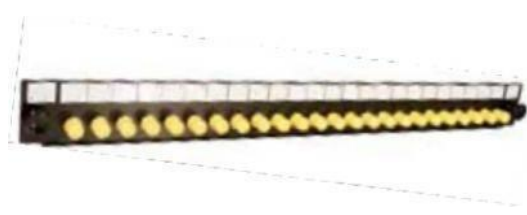**Opticlink**

SLIDING EMPTY CHASSIS PANEL

SEC-1U EMPTY CHASSIS PANEL FOR OPTIONAL REMOVABLE FRONT PLATE
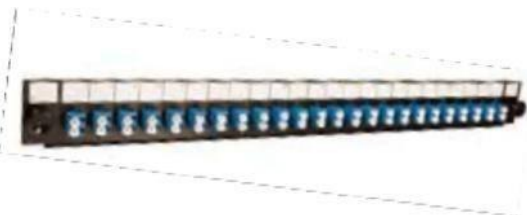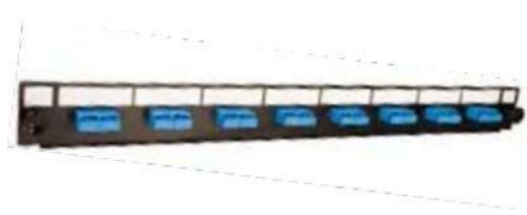
Part No.:SEC

PL0112SCS

PL0224STS

PL0324LCS

PL0412SCS

PL0524SCS

PL0608SCS

Specifcation

Width	Depth	Height	Weight	Colour
19''483mm	200mm	1U(40mm)	2.12kg Unloaded	Black RAL9004

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MODULAR PATCH PANELS

MODULAR PATCH PANELS

The Modular patch panel system in its basic form is supplied with the panels unloaded without adapter plates. The panel can also be pre-loaded with any 3 combination of 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 move the tray to the side and it will lock to lower only 10°. This provides the perfect working platform for simple installation or easy maintenance and access even after the panel is installed in the rack.

Part No.:SP13

LGX0108SCM	LGX0108SCS	LGX0108SCA	LGX0108LCM
LGX0108LCS	LGX0108LCA	LGX0108E2M	LGX0108E2S
LGX0108E2A	LGX0108MTR	LGX0208FCM	LGX0208FCS
LGX0208FCA	LGX0208STM	LGX0208STS	LGX0306SCM
LGX0306SCS	LGX0306SCA	LGX0306LQM	LGX0306LQS

L04

WALL BOXES

LOCKABLE WALL BOXES

The wall box system in its basic form is supplied with the box unloaded ready for you to install the adapter of your choice. The box can also be pre-loaded complete with the required adapter and simple splice management kit, or pre-loaded with pigtails to meet your project needs.

Double door

Single door

Single door

Bend radius & cable exit right

Bend radius & cable exit left

Secure lock

Features
- Available in single and double door models
- Double door models include two separate locks for security
- Internal bend radius protection included
- Cable entry&exit points can be knocked out to suit installation

Applications
- Internal use only
- For use in multi-swellings or as a demarcate point within a network

DOUBLE DOOR LOCKABLE WALL BOXES

SWB08

Double door lockable wall boxes
Description
SWB06 - Lockable 96 Position ST / FC Double Door Wall Box
SWB07 - Lockable 72 Position SC / LC / E2000 / MTRJ Double Door Wall Box
SWB08 - Lockable 48 Position SC Duplex / LC QUAD Double Door Wall Box
SWB09 - 4 Position Modular Double Door Lockable Wall Box

Specifcation

Width	Depth	Height	Weight	Colour
358mm	121mm	360mm	6kg Unloaded	Grey RAL7095

4X20mm and 4X25mm cable entry,top and bottom . 2X slotted cable exit.

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WALL BOXES

Single door Lockable

SWB12

SWB05

Mini Wallbox

SWB16

Double door without inside door lockable wall boxes
Description
SWB10 - Lockable 96 Position ST / FC Single Door Wall Box
SWB11 - Lockable 72 Position SC / LC / E2000 / MTRJ Single Door Wall Box
SWB12 - Lockable 48 Position SC Duplex / LC QUAD Single Door Wall Box
SWB15 - 4 Position Modular Single Door Lockable Wall Box

Specifcation

Width	Depth	Height	Weight	Colour
358mm	121mm	360	6kg Unloaded	Grey RAL7095

4X20mm and 4X25mm cable entry,top and bottom . 2X slotted cable exit.

Single door lockable wall boxes
Description
SWB03-Lockable 12 Position SC Duplex / LC QUAD Single Door Wall Box
SWB04 - Lockable 18 Position SC / LC / E2000 / MTRJ Single Door Wall Box
SWB05 - Lockable 24 Position ST / FC Single Door Wall Box

Specifcation

Width	Depth	Height	Weight	Colour
225mm	50mm	270mm	2kg Fully loaded	Grey RAL7095

Cable entry 2X20mm gland holes

Single door lockable wall boxes
Description
SWB14-12 Position Min Wall Enclosure FC/ST
SWB16-12 Position Min Wall Enclosure SC/LC/E2000/MTRJ

Specifcation

Width	Depth	Height	Weight	Colour
315mm	40mm	200mm	1.5kg charge	Grey RAL7095

Cable entry 1X20mm gland holes

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TERMINATION BOX

TERMINATION BOX

Termination box is suitable for mounting fiber to fiber pigtail and it protect fiber optic splices and helps to distribute. The termination box is a wall mounting type or desktop type, which is mainly used in telecommunication equipment room and network equipment room.

TBA

Features

- TBA is designed in up-down bisection , its installation is quite simple , by untightening one pieces of fixing nut, it succeeds in opening the housing and allow fix cable and pigtail to pass in and out in one side, the termination box is mad e of high-strength high-strength polycarbonate plastic materials, which has mechanical strength.

- With its opening angle above 90 degree makes it easy for installation and maintenance: distribution of pigtail cannot be determined (it is not used for the moment), it is possible to wind pigtail into clasp. Whenever it is needed, the connector could be installed outside of the housing, therefore it can connect termination equipment without connecting adapters.

THE ORDERING GUIDANCE

Type	Max. capacity(core)	Optical Fiber Splice Tray(OFST) (including heat shrinkable protective sleeve)	Measurement
TBA-06	6	1 piece of FOST with 6 cores	265x153x42
TBA-12	12	2 piece of FOST with 6 cores	265x153x42
TBA-18	18	3 piece of FOST with 6 cores	265x153x60
TBA-24	24	4 piece of FOST with 6 cores	265x153x60

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SPLICE CLOSURE

ENCLOSURES-OPTSC-B

Innovative design SOFSC-A is an arc and horizontal type with one hinge in one side and open in another side. Two pieces of insert Plates and fixing bolts are used to fix and seal OPTSC.

OPTSC-A consist of one set elastic dear fitting , out company patent product, which, based on an advanced formula, is make of injection-molded, high quality elastic sealing material by numerical control equipment. It Is installed between OPTSC housing and insert plates.

OPTSC-B

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	8-16mm
Capacity of FOSC	Bunchy: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)
OPTSC-B24	Set	OFST with 1-24 cores	24 cores
OPTSC-B48	Set	OFST with 24-48 cores	48 cores
OPTSC-B72	Set	OFST with 48-72 cores	72 cores
OPTSC-B96	Set	OFST with 72-96 cores	96 cores

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CABINETS

WALL MOUNTED CABINETS

Strong and robust 19" wall mounted cabinet, with a l 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 font 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
- Slide panels   1.2mm
- Framework   1.2mm
- 19" mounting angels   1.5mm
- Matching lock configuration an side panels
- Individual lock on front door
- Chassis support(L RAII)maximum load 20kgs
- Material thickness   1.2mm

Lockable side panels	Sliding mounting angles	Secure lock	Quick release door	Side latch

ORDERING INFORMATION

Height	Depth	Width	Weight	Part No.	Height	Depth	Width	Weight	Part No.
6U	450	600	20.5kg	SOFWC0106G	15U	450	600	31kg	SOFWC0115G
9U	450	600	24kg	SOFWC0109G	15U	600	600	36kg	SOFWC0215G
9U	600	600	28.5kg	SOFWC0209G	18U	450	600	36.5kg	SOFWC0118G
12U	450	600	27.5kg	SOFWC0112G	18U	600	600	42kg	SOFWC0218G
12U	600	600	32.5kg	SOFWC0212G					

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ACCESSORIES

ACCESSORIES

To complement our range of fiber management products, Opticlink also offer a full range of ac accessories to h help you to construct, manger and splice your fiber network.

Splice Tray Lid and holder (avaiable in white or black)
Part No.:
TRAY01BK
TRAY01WT

Splice Cassette With Clear Lid (avaiable in white or black)
Part No.:
TRAY02BK
TRAY02WT

SOFSTSBLANK   SOFSTBLANK

SOFSTDBLANK

Panel Blanks
Part No.:
SOFSTBLANK
SOFSCDBLANK
SOFSCSBLANK

SOFSPLICE45CLEAR

SOFSPLICE60CLEAR

Cable Management Kit
Part No.:
SOFKIT01

Splice Protectors
Part No.:
SOFSPLICE45CLEAR
SOFSPLICE60CLEAR

1U Brush Strip Part No.:
SOF1UBRUSHSTRIP (1U Brush Strip)

1U Fan Unit
Part No.:
SOFFAN01 (2 fans EU style)
SOFFAN02 (4 fans EU style)
SOFFAN03 (2 fans UK style)
SOFFAN04 (4 fans UK style)

1U Cable Bar with Brush Strip
Part No.:
SOF1UCABLEBAR/BR

Cantilever-1U or 2U
Part No.:
SOFSHELF14 (1U 300mm Deep Cabtilever Shelf)
**SOFSHELF13** (2U 300mm Deep Cantilever Shelf)

Sliding Shelf
Part No.:
SOFSHELF10 (600 Deep Sliding Shelf)
SOFSHELF11 (800 Deep Sliding Shelf)
SOFSHELF12 (1000 Deep Sliding Shelf)

Blanking Plates
Part No.:
SOF1UBLANK (1U Blanking Plate)
SOF2UBLANK (2U Blanking Plate)

Cable Management Bars
Part No.:
SOF1UCABLEBAR (1U Cable Managment Bar)
SOF2UCABLEBAR (2U Cable Managment Bar)

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Fairtech **AB**

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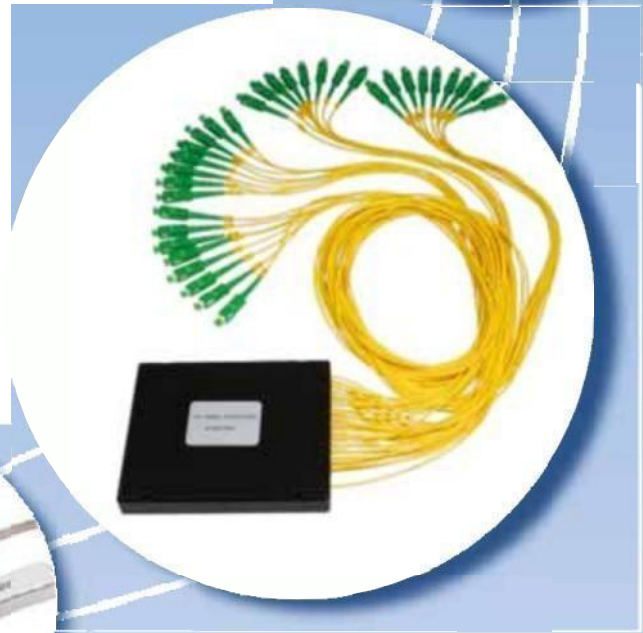
MEDIA CONVERTERS

10-100M MEDIA CONVERTOR

10/100 base media converter c an work in conditions with ultra broad band voltage and with the temperature of 5 0¢. MDI, MDI-X functions are available on TP port so that the users can get connected directly with PC, switch, router or hub, no matter the users use straight-through TP cable or cross TP cable. When these series Media-Converter is working in Auto-negotiation mode, it's able to realize the best matching by adapting itself to the speeds and simplex-duplex modes of the equipments connected. LFP is a special function to indicate malfunctions happen to remote cable or cat 5. Led indicators on switch or hub can show them. In order

Features

- Available in full-duplex and half-duplex function
- With auto-negotiation, MDI/MDI-X ability,
- Store and forward mode, broadcast storm protection
- With LED status indictors, easy to install and maintain,
- Static-proof and thunder stoke proof.

Applications

- Board Bank Fiber Network for network manager company
- Board bank network for government organization , oil , industry, system, railway transport, electric power system, public security, education etc
- Media transmission like picture, sound and data transfers
- Stakeout and control on the spot.
- Making network in abominable environments
- FTTX(FTTC,FTTF,FTTB)
- Telecommunication

1G MEDIA CONVERTOR

IEEE802.3z/AB 1000Mbps Gigabit Ethernet supports two types media for network connection such as 10/100/1000Base-T and 1000Base-SX/LX. The media converter is designed with a switch controller and buffer memory that connects two types segments to operate smoothly. With internal power unit, it provides good stability and reliability.

Features

- Compliant with IEEE802.3 IEEE802.3ab standards for TP connection and IEEE802.3z standards for fiber connection
- 10/100/1000 base-T to 1000Base-SX/LX fiber conversion. Provide Fiber-optic port with SC connector.
- Automatically detects and configures the twisted pair port on the coveter to the correct MDI or MDI-X configuration.
- Status LEDs for FX link, actively, PWR, TP link, activity, FDX.
- Wide range of external power supply

Applications

- Broadband fiber optic network.
- FTTX(FTTC,FTTF,FTTB)
- Telecom Application

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COUPLERS/SPLITTERS/WDM

FUSED SPLITTERS

Truly fused dual window couplers are specially designed and optimised for Fiber to the Home (FTTH) applications. Manufactured using a state of the art Fused Biconical Taper process (FBT), these couplers exhibit uniform performance over the

entire optical band from 1260-1630nm with near zero excess loss. The epoxy free optical path of the Truly fused couplers provides good power handling capability.

	Single Window		Single Window		Dual Window		Dual Window		Compliant		Band	
Operating Wavelength	1310±20nm or 1550±20nm		1310±40nm or 1550±40nm		1310±20nm &1550±20nm		1310&1550 (±40nm)		1310±40nm 1490±10nm &1550±40nm		1260-1630nm	
Grade	Premium	Standard										
Excess Loss:Typical	0.2dB	0.2dB	0.2dB	0.2dB	0.2dB	0.2dB	0.2dB	0.2dB	0.2dB	0.2dB	0.2dB	0.2dB
IL Max	7.2dB	7.4dB	7.3dB	7.5dB	7.3dB	7.5dB	7.4dB	7.5dB	7.2dB	7.4dB	7.4dB	7.5dB
Uniformity. Max	1.3dB	1.4dB	1.5dB	1.6dB	1.6dB	1.8dB	1.7dB	2dB	1.4dB	1.7dB	1.8dB	2.1dB
PDL max over the Operating band	0.25dB	0.25dB	0.25dB	0.25dB	0.3dB	0.3dB	0.3dB	0.3dB	0.3dB	0.3dB	0.3dB	0.3dB
%DFN 5HÀHFWLRQ	G%											
Operating Temperature	-40 to + 85ċ											
Fiber Type	Corning SMF - 28e											
Dimensions.LD	2.9mm(dia)X51mm(L), bare Fiber											
Dimensions.MD	3.9mm(Dia)* 76mm(L) 900um Hy trel											

FUSED WDM

Opticlink provide high performance WDMs m, are used for multiplexing two different signal into a single fiber or to separate in to two signals having spate wavelengths, from an incoming fiber. 1310/*550 DM can be applied in single fiber bi-directional communicationsystems

Features
- Low polarization dependent loss
- Good Environmentally stability
- Broadband transfer
- High stability and reliability

Applications
- Telecommunication
- Fiber amplifier
- WDM system
- Bi-direction Network
- Optical commutation Equipment

COUPLERS/SPLITTERS/WDM

PLC SPLITTER MODULES

Planar Splitter are available in the form either Module cassette, rack-mount wall-mount box with fiber diameter up to 3mm.

Feature
- Low Excess Loss
- Good Directivity
- Low PDL
- Good Environmental salability
- Standard/Flattened
- Broadband/tree/star

Applications
- Optical fiber communication
- Fiber access networks
- Fiber CATV
- Fiber test equipment
- Monitoring system/Sensor
- Light Source Distribution

1X32 SCA Module

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 in 50 M	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)		" Customer specified			
Fiber Type		SMF-28e with 3mm or customer specified			
Wavelength Dependent Loss(dB)		1.0	1.0	1.0	1.0
Temperature Stability(-40~85c)(dB)		0.6	0.6	0.8	1.0
Operating Temperature		-20~65			
Storage Temperature		-40~85			
Housing Dimension(LxWxH)(mm)		100X80X9	100X80X9	120X80X9	140X114X18

PLC Splitter (19" Rack Mount) Module

Note: All measurement were done at room temperature and specification including connectors