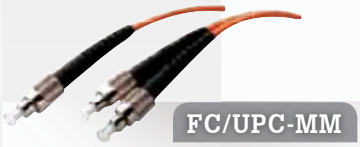
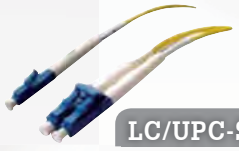
Fiber Optic

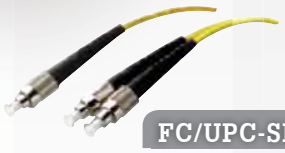
Pigtail

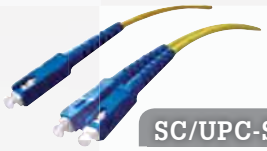

LC/UPC-MM


ST/UPC-MM


FC/UPC-MM

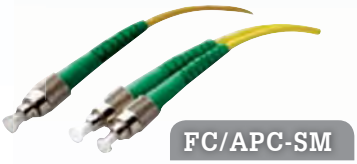

LC/UPC-SM

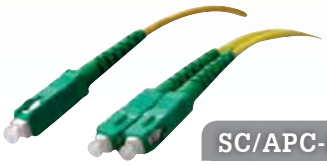

FC/UPC-SM


SC/UPC-SM


ST/UPC-SM


LC/APC-SM

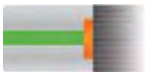

FC/APC-SM

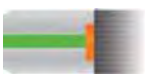

SC/APC-SM

Features

- Testing equipment
- Comply with RoHS
- Optical fiber CATV
- Optical communication system
- Telecommunication
- Low insertion loss, high return loss
- Excellent mechanical endurance
- High credibility and stability
- Good in repeatability and exchangeability
- Jacket Detail : Low smoke Zero Halogen (LSZH)

Evolution of PC, UPC and APC Fiber Connectors

PC Fiber Connector 

UPC Fiber Connector 

APC Fiber Connector 

Specification

Type	Description	
	Single Mode	Multi Mode
Standard insertion loss	≤0.05dB	≤0.2dB
Standard reflected loss	50dB	50dB
Working temperature	-40 ˚C~75 ˚C	-40 ˚C~75 ˚C
Storage temperature	-55 ˚C~85 ˚C	-55 ˚C~75 ˚C
Material	Zirconia ceramic ferrule	Zirconia ceramic ferrule
Diameter Sheath	0.9 mm, 2.0 mm, 3.0 mm	

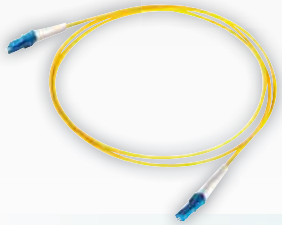
Fiber Optic

Patch Cord

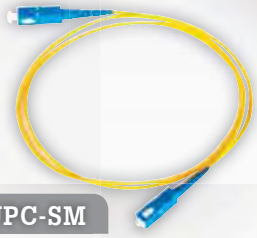

LC/UPC-MM


ST/UPC-MM


FC/UPC-MM


LC/UPC-SM


FC/UPC-SM


SC/UPC-SM


ST/UPC-SM

Fiber Optic

Hybrid Patch Cord

Features

- Testing equipment
- Comply with RoHS
- Optical fiber CATV
- Optical communication system
- Telecommunication
- Low insertion loss, high return loss
- Excellent mechanical endurance
- High credibility and stability
- Good in repeatability and exchangeability
- Jacket Detail : Low smoke Zero Halogen (LSZH)


FC/APC-SC/APC-SM


FC/UPC-ST/UPC-SM


SC/UPC-LT/UPC-SM

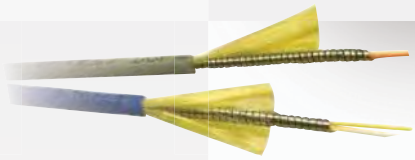
Specification

Type	Description	
	Single Mode	Multi Mode
Standard insertion loss	≤0.05dB	≤0.2dB
Standard reflected loss	50dB	50dB
Working temperature	-40 ˚C~75 ˚C	-40 ˚C~75 ˚C
Storage temperature	-55 ˚C~85 ˚C	-55 ˚C~75 ˚C
Material	Zirconia ceramic ferrule	Zirconia ceramic ferrule
Diameter Sheath	0.9 mm, 2.0 mm, 3.0 mm	

Fiber Optic

Armored Patch Cord

Model : W-APAxxxx



Features

The armored cables are used in harsh environments and they enhance the stability and safety of the whole network. They are also very popular for covering long distances, since the fibers are protected by a stainless steel flexible tube, which substantially increases the tensile strength, pressure and twist resistance, As a result it greatly increases the yield during the installation phase and thus offers a high cost saving.

These cables sustain up to 300 kilo weight which also avoids damge from trampling on the cables. The construction of the armored cable offers high flexibility despite the armored braiding and tubing surrounding the fiber optic cable. It also secures transmission power and avoids extra attenuation compared to standard patch cords, in case of bending/twising the cables and/or when using cable ties to attach several cables together.

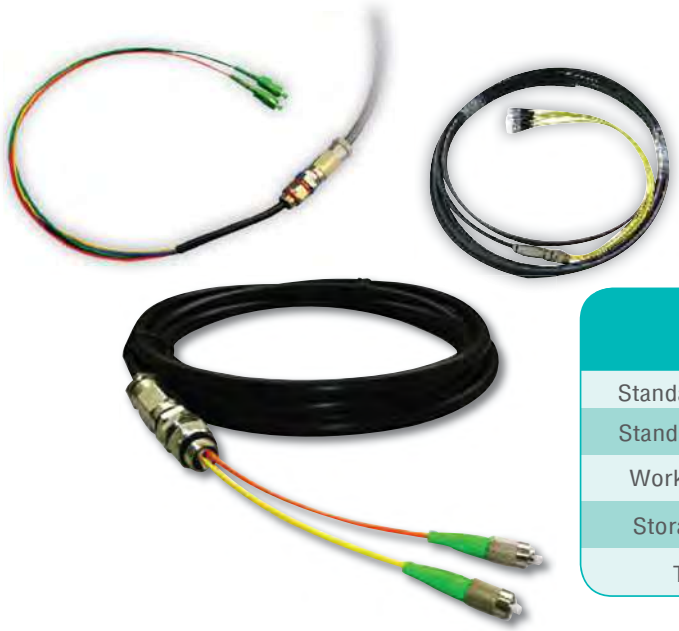
Specification

Type	Description	
	Single Mode	Multi Mode
Standard insertion loss	≤0.5dB	≤0.2dB
Standard reflected loss	50dB	50dB
Working temperature	-40 ˚C~75 ˚C	-40 ˚C~75 ˚C
Storage temperature	-55 ˚C~85 ˚C	-55 ˚C~75 ˚C
Material	Zirconia ceramic ferrule	Zirconia ceramic ferrule

Fiber Optic

Water Proof

Model : W-PAOxxxLxMX



Features

- No special assembling tool
- No epoxy required
- Easy for assembling with mechanical splice no poishing
- Precision mechanical alignment low loss
- Fiber can be reseated

Specification

Type	Description	
	Single Mode	Multi Mode
Standard insertion loss	≤0.3dB	≤0.2dB
Standard reflected loss	≥50dB	≥50dB
Working temperature	-40 ˚C~85 ˚C	-40 ˚C~85 ˚C
Storage temperature	-55 ˚C~85 ˚C	-55 ˚C~75 ˚C
Type of fiber	9/125um	50/125,62.5/125um

Fiber Optic

Outdoor Patch Cord

Model : W-OPAxxxx

Features

- Low insertion loss, high return loss
- High dense connection, easy for operation
- High credibility and stability
- Good in repeatability and exchangeability
- Jacket Detail : Low smoke Zero Halogen (LSZH)
- Compact design
- Low insertion loss and low PDL
- Conform to ITU-T G.657A
- High reliablity Wide wavelength range
- Large operation temperature range
- Customized configuration

Specification

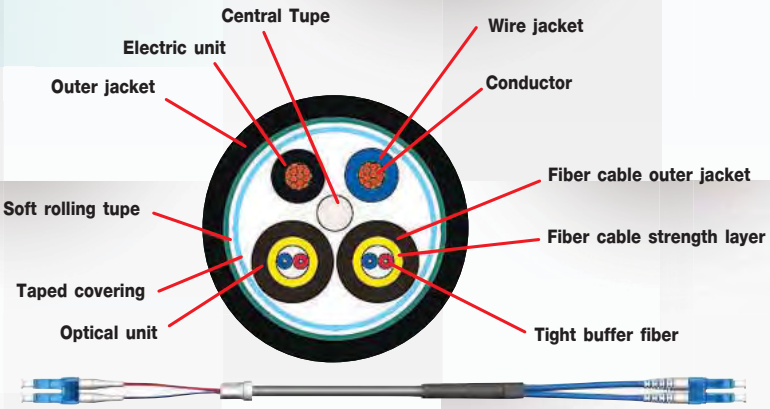
Type	Description	
	Single Mode	Multi Mode
Standard insertion loss	≤0.5dB	≤0.2dB
Standard reflected loss	≥50dB	≥50dB
Working temperature	-40 ˚C~75 ˚C	-40 ˚C~75 ˚C
Storage temperature	-55 ˚C~85 ˚C	-55 ˚C~75 ˚C
Type of fiber	9/125um optical fiber	50/125,62.5/125um

Fiber Optic

CPRI Cable

Model : W-CPRIxxxLx

Huawei



NSN

ZTE

Features

- Ruggedised design and installation proof
- Low insertion/return loss, steady optical transmitting.
- Standard assemblies and customised lengths available with short lead-time
- Cable diameter 4.8 mm, 5.5 mm or 7 mm
- Rodent resistant
- All cable assemblies factory-terminated and tested
- GR-326-Core & RoHS compliant
- Smart termination process
- Compact pull-proof design
- High precision alignment
- Pulling eye addition enhances protection
- IP67 protected
- FTTA feeders for all common RRH models and systems

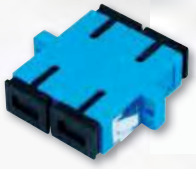
Specification

Type	Description		
	SM/UPC	SM/APC	MM
Insertion Loss	≤0.3dB	≤0.3dB	≤0.3dB
Return Loss	≥50dB	≥60dB	≥25dB
Temperature	-40 ˚C~85 ˚C		

ADAPTER

Single Mode/Multi Mode

SC Adapter


UPC-SM


UPC-SM


UPC-MM


UPC-SM


APC-SM


UPC-MM

ST Adapter


UPC-MM


UPC-SM

LC Adapter


UPC-SM


UPC-SM


UPC-MM

FC Adapter


UPC


APC

Features

- Fiber optic transmission system
- CATV network
- Comply with RoHS
- Testing/measurement Instruments
- Fiber Distribution frame, Mounts in Fiber Optic Wall Mount and Rack Mount Cabinets
- Excellent changeability and directivity
- 100% Optic test (Insertion Loss)
- Ceramic and Phosphor bronze sleeve tubeoptional
- Accurate mounting dimension

Specification

Type	Description	
	Single Mode	Multi Mode
Standard insertion loss	≤0.2dB	≤0.2dB
Standard reflected loss	≥55dB	≥55dB
Working temperature	-40 ˚C~75 ˚C	-40 ˚C~75 ˚C
Storage temperature	-55 ˚C~85 ˚C	-55 ˚C~75 ˚C
Material	Zirconia	

Fiber Optic

HYBRID ADAPTER

Features

- Fiber optic transmission system
- CATV network
- Comply with RoHS
- Testing/measurement Instruments
- Fiber Distribution frame, Mounts in Fiber Optic Wall Mount and Rack Mount Cabinets
- Excellent changeability and directivity
- 100% Optic test (Insertion Loss)
- Ceramic and Phosphor bronze sleeve tubeoptional
- Accurate mounting dimension

Specification

Type	Description	
	Single Mode	Multi Mode
Standard insertion loss	≤0.2dB	≤0.2dB
Standard reflected loss	≥55dB	≥55dB
Working temperature	-40 ˚C~75 ˚C	-40 ˚C~75 ˚C
Storage temperature	-55 ˚C~85 ˚C	-55 ˚C~75 ˚C
Material	Zirconia	

Fiber Optic

ATTENUATOR

Features

Thorlabs' Single Mode Fixed Fiber Optic Attenuators allow one to attenuate an optical signal easily by plugging an FC/PC- or FC/APC-terminated fiber directly into the back end of the attenuator connector. The input of the attenuator has a 2.2 mm wide key female connector, making it compatible with both narrow key and wide key male connectors. The output of the attenuator has a 2.0 mm narrow key male connector (either FC/PC or FC/APC). These single mode attenuators are made with polarization-insensitive doped fiber to achieve the specified attenuation over the operating wavelength range (1240-1620 nm).

Specification

Type	Description	
	Single Mode	Multi Mode
Standard insertion loss	≤0.03dB	≤0.2dB
Standard reflected loss	≥50dB	≥50dB
Working temperature	-40 ˚C~85 ˚C	-40 ˚C~85 ˚C
Storage temperature	-55 ˚C~85 ˚C	-55 ˚C~75 ˚C
Operating Wavelength Range	1240 - 1620 nm	
Type of fiber	9/125um	50/125,62.5/125um