

SPLK*Tech*[®]



Fiber Optic Equipment
Focus on Communication



ABOUT OUTDOOR OPTICAL CABLE

▶ Product Type

Cable type	Cable type
A1-50/125 Multimode Fiber	B1-G.652 Single-mode Fiber
A1-62.5/125 Multimode Fiber	B1.3-G.625.D Low Water Peak Single- mode Fiber
150 OM3 150 Multimode Fiber	B4-G.655 Single- mode Fiber
300 OM3 300 Multimode Fiber	B6-G.657 Single-mode Fiber
550 OM3 550 Multimode Fiber	

▶ Colour Arrangement Of Fibers In Loose Tube

The fiber chromatogram in the loose tube of SPLKTECH optical cable is the standard chromatogram.

Standard Fiber Colour

Fiber Number	1	2	3	4	5	6	7	8	9	10	11	12
Colour	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Pink	Aqua

Note: 1. When the optical fiber in the sleeve is less than 12 cores, select from No. 1 continuously

▶ Colour Arrangement of Loose Tube in Cable

The loose tube chromatography of SPLKTECH optical fiber cable is divided into lead chromatography and full chromatography

1. Indicatory Colour Identification

Tube Number	1	2	3	4	5	6	7	8	9	10	11	12
Colour	Red	Green	Natural	Natural	Natural	Natural	Natural	Natural	Natural	Natural	Natural	Natural

2. Full Colour Identification

Tube Number	1	2	3	4	5	6	7	8	9	10	11	12
Colour	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Pink	Aqua

Note: 1. The loose tube in the optical cable is less than 12 units, and the chromatogram is continuously taken from No. 1 continuously

STRANDED LOOSE TUBE NON-ARMORED CABLE (GYTA)

► Description

The fibers, 250µm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A steel wire, sometimes sheathed with polyethylene(PE) for cable with high fiber count, locates in the center of core as a metallic strength member. Tubes (and fillers) are stranded around the strength member into a compact and circular cable core. An Aluminum Polyethylene Laminate (APL) is applied around the cable core, which is filled with the filling compound to protect it from water ingress. Then, the cable is completed with a PE sheath.

► Characteristics

- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Specially designed compact structure is good at preventing loose tubes from shrinking
- PE sheath protects cable from ultraviolet radiation
- complies with Standard YD/T 901-2001 as well as IEC 60794-1.
- The following measures are taken to ensure the cable watertight:
 - a. Single steel wire central reinforcement core
 - b. Filling special waterproof compound in loose tube
 - c. 100% cable core filling
 - d. Plastic coated aluminum strip (APL) damp proof course

► Standards

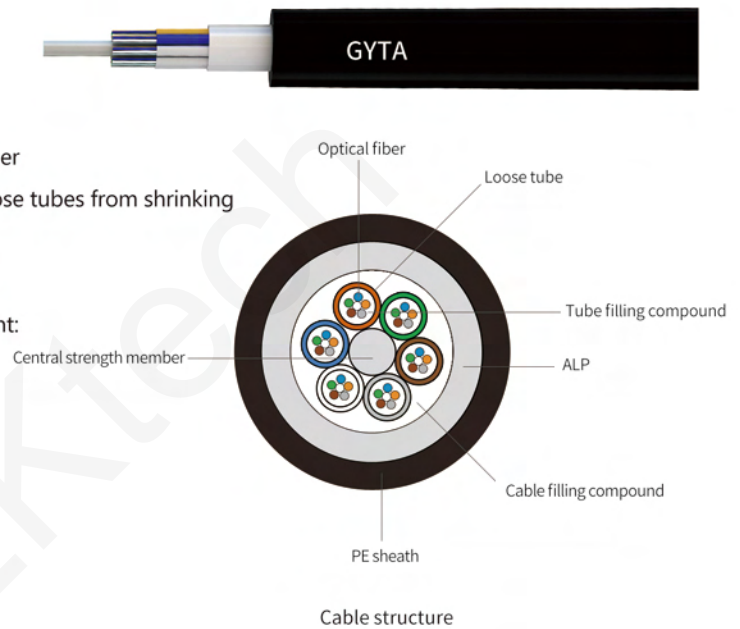
Comply with Standard YD/T 901-2018 as well as IEC 60794-1.

► Optical Characteristics

		G.652	G.655	50/125µm	50/125µm
Attenuation (+ 20°C)	@850 nm			≤3.0 dB/km	≤3.3 dB/km
	@1300 nm			≤1.0 dB/km	≤1.0 dB/km
	@1310 nm	≤0.36 dB/km	≤0.36 dB/km		
	@1550 nm	≤0.22 dB/km	≤0.22 dB/km		
Bandwidth(Class A)	@850 nm			≥500 MHz.km	≥200 MHz.km
	@1300 nm			≥1000 MHz.km	≥600 MHz.km
Numerical Aperture				0.200±0.015 NA	0.275±0.015 NA
Cable Cut-off Wavelength λ _{cc}		≤1260 nm	≤1450 nm		

► Technical Parameters

Cable Code (Increased by 2 fiber)	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength Long/Short term (N)	Crush resistance Long/Short term (N/100mm)	Bending Radius Static/Dynamic (mm)	Temperature Range (°C)	Application
GYTA-4~144	4~144	9.5~15.6	85~240	600/1500	300/1000	10D/20D	-40°C~+60°C	Duct/Aerial



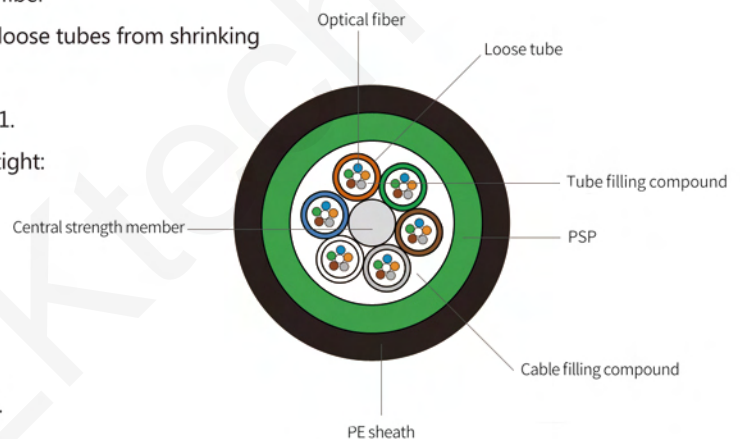
STRANDED LOOSE TUBE LIGHT-ARMORED CABLE (GYTS)

► Description

The fibers, 250µm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water resistant filling compound. A steel wire, sometimes sheathed with polyethylene (PE) for cable with high fiber count, locates in the center of core as a metallic strength member. Tubes (and fillers) are stranded around the strength member into a compact and circular cable core. The PSP is longitudinally applied over the cable core, which is filled with the filling compound to protect it from water ingress. Then, the cable is completed with a PE sheath.

► Characteristics

- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Specially designed compact structure is good at preventing loose tubes from shrinking
- PE sheath protects cable from ultraviolet radiation
- complies with Standard YD/T 901-2001as well as IEC 60794-1.
- The following measures are taken to ensure the cable watertight:
 - a. Single steel wire central reinforcement core
 - b. Filling special waterproof compound in loose tube
 - c. 100% cable core filling
 - d. Plastic coated aluminum strip (PSP) damp proof course



Cable structure

► Standards

Comply with Standard YD/T 901-2018 as well as IEC 60794-1.

► Optical Characteristics

	G.652	G.655	50/125µm	50/125µm
Attenuation (+ 20°C)	@850 nm		≤3.0 dB/km	≤3.3 dB/km
	@1300 nm		≤1.0 dB/km	≤1.0 dB/km
	@1310 nm	≤0.36 dB/km	≤0.36 dB/km	
	@1550 nm	≤0.22 dB/km	≤0.22 dB/km	
Bandwidth(Class A)	@850 nm		≥500 MHz.km	≥200 MHz.km
	@1300 nm		≥1000 MHz.km	≥600 MHz.km
Numerical Aperture			0.200±0.015 NA	0.275±0.015 NA
Cable Cut-off Wavelength λ _{cc}	≤1260 nm	≤1450 nm		

► Technical Parameters

Cable Code (Increased by 2 fiber)	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength Long/Short term (N)	Crush resistance Long/Short term (N/100mm)	Bending Radius Static/Dynamic (mm)	Temperature Range (°C)	Application
GYTS-4~144	4~144	9.5~15.6	95~270	600/1500	300/1000	10D/20D	-40°C~+60°C	Duct/Aerial

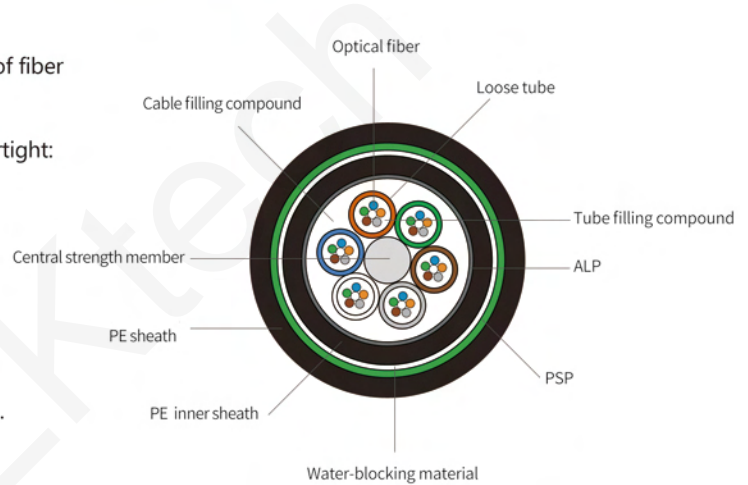
STRANDED LOOSE TUBE ARMORED CABLE (GYTA53)

► Description

The optic fibers, 250µm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A steel wire, sometimes sheathed with polyethylene (PE) for cable with high fiber count, locates in the center of core as a metallic strength member. Tubes (and fillers) are stranded around the strength member into a compact and circular cable core. An Aluminum Polyethylene Laminate (APL) is applied around the cable core. which is filled with the filling compound to protect it from water ingress. Then the cable core is covered with a thin PE inner sheath. After the PSP is longitudinally applied over the inner sheath, the cable is completed with a PE outer sheath.

► Characteristics

- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensures a critical protection of fiber
- Crush resistance and flexibility
- The following measures are taken to ensure the cable watertight:
 - a. Steel wire used as the central strength member
 - b. Loose tube filling compound
 - c. 100% cable core filling
 - d. APL moisture barrier
 - e. Water-blocking material



► Standards

Comply with Standard YD/T901-2018 as well as IEC 60794-1.

► Optical Characteristics

		G.652	G.655	50/125µm	50/125µm
Attenuation (+ 20°C)	@850 nm			≤3.0 dB/km	≤3.3 dB/km
	@1300 nm			≤1.0 dB/km	≤1.0 dB/km
	@1310 nm	≤0.36 dB/km	≤0.36 dB/km		
	@1550 nm	≤0.22 dB/km	≤0.22 dB/km		
Bandwidth(Class A)	@850 nm			≥500 MHz.km	≥200 MHz.km
	@1300 nm			≥1000 MHz.km	≥600 MHz.km
Numerical Aperture				0.200±0.015 NA	0.275±0.015 NA
Cable Cut-off Wavelength λ _{cc}		≤1260 nm	≤1450 nm		

► Technical Parameters

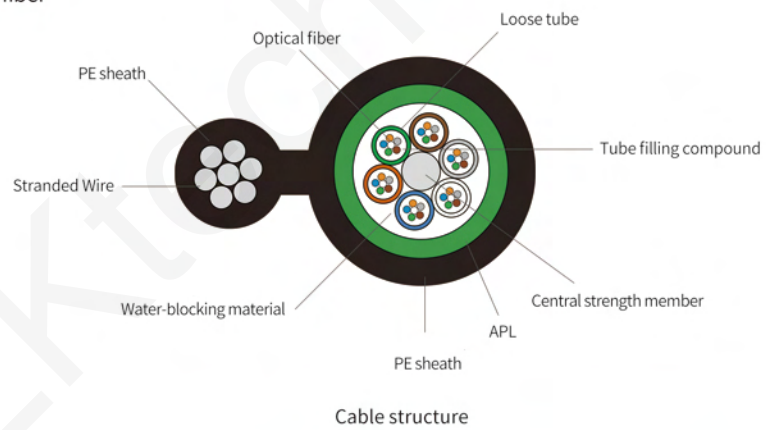
Cable Code (Increased by 2 fiber)	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength Long/Short term (N)	Crush resistance Long/Short term (N/100mm)	Bending Radius Static/Dynamic (mm)	Temperature Range (°C)	Application
GYTA53-4~144	4~144	11.5~18.5	175~330	1000/3000	1000/3000	12.5D/25D	-40°C~+60°C	Duct/Direct buride

FIGURE 8 FIBER OPTIC CABLE (GYTC8S)
► Description

In the GYTC8S, cables are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. The two sides PSP are longitudinally applied over the outer loose tube. Steel wires and loose tubes are filled with water proof compound to ensure compact and longitudinally water blocking, this part of cable accompanied with the stranded wires as the supporting part are completed with a polyethylene(PE) sheath.

► Characteristics

- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Crush resistance and flexibility
- APL/PSP enhancing moisture-proof
- PE sheath protects cable from ultraviolet radiation


► Standards

Comply with Standard YD/T 1155-2011

► Optical Characteristics

		G.652	G.655	50/125μm	50/125μm
Attenuation (+ 20°C)	@850 nm			≤3.0 dB/km	≤3.3 dB/km
	@1300 nm			≤1.0 dB/km	≤1.0 dB/km
	@1310 nm	≤0.36 dB/km	≤0.36 dB/km		
	@1550 nm	≤0.22 dB/km	≤0.22 dB/km		
Bandwidth(Class A)	@850 nm			≥500 MHz.km	≥200 MHz.km
	@1300 nm			≥1000 MHz.km	≥600 MHz.km
Numerical Aperture				0.200±0.015 NA	0.275±0.015 NA
Cable Cut-off Wavelength λ _{cc}		≤1260 nm	≤1450 nm		

► Technical Parameters

Cable Code (Increased by 2 fiber)	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength Long/Short term (N)	Crush resistance Long/Short term (N/100mm)	Bending Radius Static/Dynamic (mm)	Temperature Range (°C)	Application
GYTC8S-2~144	2~144	9.5~18.3	140~320	3000/8000	1000/3000	10D/20D	-40°C~+60°C	Aerial

UNITUBE LIGHT-ARMORED FIBER OPTIC CABLE (GYXTW)

► Description

The fibers, 250µm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. The tube is wrapped with a layer of PSP longitudinally. Between the PSP and the loose tube is water-blocking material that applied to keep the cable compact and watertight. Two parallel steel wires are placed at the two sides of the steel tape. The cable is completed with a polyethylene (PE) sheath.

► Characteristics

- Good mechanical properties and temperature characteristics.

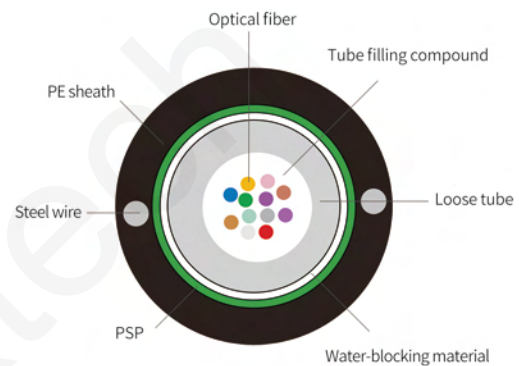
The loose tube material has good water resistance and high strength

Special oil paste is filled in the tube to protect the optical fiber.

- good compression resistance.
- double sided plastic coated steel strip (PSP) to improve the lateral pressure resistance of optical cable.
- Two parallel steel wires ensure the tensile strength of optical cable
- PE sheath has good UV radiation resistance.
- Small diameter, light weight and easy laying.
- long delivery length.

► Standards

Comply with Standard YD/T796-2010.



Cable structure

► Optical Characteristics

		G.652	G.655	50/125µm	50/125µm
Attenuation (+ 20°C)	@850 nm			≤3.0 dB/km	≤3.3 dB/km
	@1300 nm			≤1.0 dB/km	≤1.0 dB/km
	@1310 nm	≤0.36 dB/km	≤0.36 dB/km		
	@1550 nm	≤0.22 dB/km	≤0.22 dB/km		
Bandwidth(Class A)	@850 nm			≥500 MHz.km	≥200 MHz.km
	@1300 nm			≥1000 MHz.km	≥600 MHz.km
Numerical Aperture				0.200±0.015 NA	0.275±0.015 NA
Cable Cut-off Wavelength λ _{cc}		≤1260 nm	≤1450 nm		

► Technical Parameters

Cable Code (Increased by 2 fiber)	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength Long/Short term (N)	Crush resistance Long/Short term (N/100mm)	Bending Radius Static/Dynamic (mm)	Temperature Range (°C)	Application
GYXTW-2-24	2-24	8.5~10.5	85-95	600/1500	300/1000	10D/20D	-40°C~+60°C	Duct/Aerial

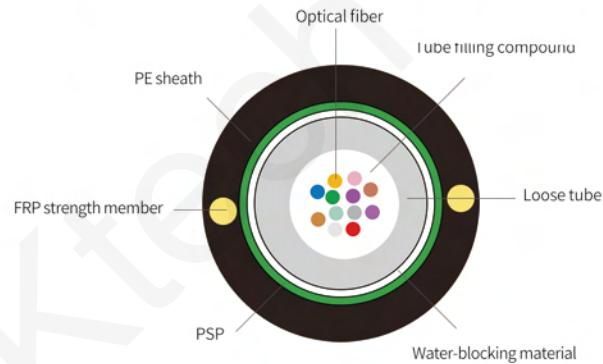
UNITUBE NON-METALLIC NON-ARMORED CABLE (GYFX)

► Description

The fibers, 250 μ m, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. Over the tube water-blocking material is applied to keep the cable watertight. Two parallel Fiber Reinforced Plastics (FRP) are placed at the two sides. The cable is completed with a polyethylene (PE) sheath

► Characteristics

- It has good mechanical and temperature properties.
- The loose tube material has good hydrolysis resistance and high strength.
- Special oil paste is filled in the tube to protect the optical fiber.
- Two parallel FRP ensure the tensile strength of optical cable.
- PE sheath has good UV radiation resistance.
- Small diameter, light weight, easy to lay.
- Longer delivery length.



Cable structure

► Standards

Comply with Standard YD/T769-2010.

► Optical Characteristics

		G.652	G.655	50/125 μ m	50/125 μ m
Attenuation (+ 20°C)	@850 nm			≤3.0 dB/km	≤3.3 dB/km
	@1300 nm			≤1.0 dB/km	≤1.0 dB/km
	@1310 nm	≤0.36 dB/km	≤0.36 dB/km		
	@1550 nm	≤0.22 dB/km	≤0.22 dB/km		
Bandwidth(Class A)	@850 nm			≥500 MHz.km	≥200 MHz.km
	@1300 nm			≥1000 MHz.km	≥600 MHz.km
Numerical Aperture				0.200±0.015 NA	0.275±0.015 NA
Cable Cut-off Wavelength λ_{cc}		≤1260 nm	≤1450 nm		

► Technical Parameters

Cable Code (Increased by 2 fiber)	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength Long/Short term (N)	Crush resistance Long/Short term (N/100mm)	Bending Radius Static/Dynamic (mm)	Temperature Range (°C)	Application
GYFX-2~24	2~24	7.5~9.5	60~80	600/1500	300/1000	10D/20D	-40°C~+60°C	Aerial

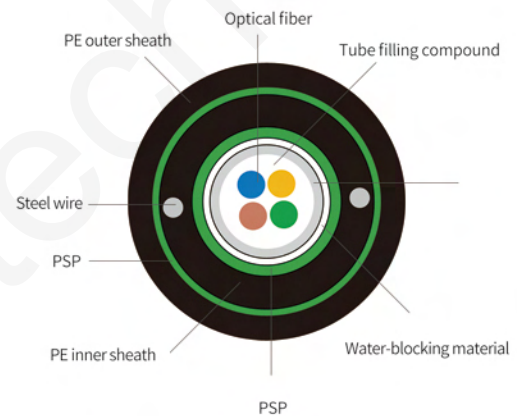
UNITUBE ARMORED CABLE (GYXTW53)

► Description

The fibers, 250μm, are positioned in a loose tube made of a high modulus plastic. The tubes are led with a water-resistant filling compound. The tube is wrapped with a layer of PSP longitudinally. Between the PSP and the loose tube water-blocking material is applied to keep the cable compact and watertight. Two parallel steel wires are placed at the two sides of the steel tape. The parallel steel wires are placed at the two sides tape. Then, the cable core is covered with a thin PE inner sheath. After the PSP is longitudinal applied over the inner sheath, the cable is completed with a PE outer sheath.

► Characteristics

- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Crush resistance and flexibility
- Two parallel steel wires ensure tensile strength.
- PSP enhancing moisture-proof
- Water-blocking material



Cable structure

► Standards

Comply with Standard YD/T769-2010

► Optical Characteristics

		G.652	G.655	50/125μm	50/125μm
Attenuation (+ 20°C)	@850 nm			≤3.0 dB/km	≤3.3 dB/km
	@1300 nm			≤1.0 dB/km	≤1.0 dB/km
	@1310 nm	≤0.36 dB/km	≤0.36 dB/km		
	@1550 nm	≤0.22 dB/km	≤0.22 dB/km		
Bandwidth(Class A)	@850 nm			≥500 MHz.km	≥200 MHz.km
	@1300 nm			≥1000 MHz.km	≥600 MHz.km
Numerical Aperture				0.200±0.015 NA	0.275±0.015 NA
Cable Cut-off Wavelength λ _{cc}		≤1260 nm	≤1450 nm		

► Technical Parameters

Cable Code (Increased by 2 fiber)	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength Long/Short term (N)	Crush resistance Long/Short term (N/100mm)	Bending Radius Static/Dynamic (mm)	Temperature Range (°C)	Application
GYXTW53-2~24	2~24	11.0~15.0	125~155	600/1500	300/1000	12.5D/25D	-40°C~+60°C	Duct/Aerial/ Direct buride

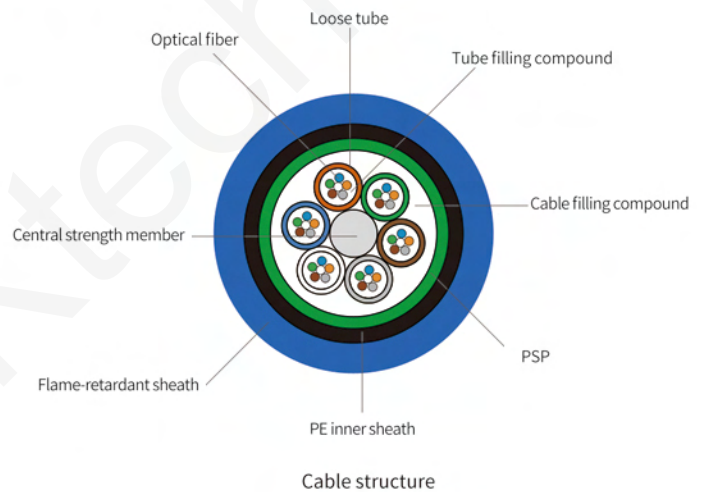
STRANDED LOOSE TUBE MINING FLAME-RETARDANT CABLE (MGTSV)

► Description

In MGTSV fiber optic cable, the fibers are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A steel wire locates in the center of core as a metallic strength member. Tubes (and fillers) are stranded around the strength member into a compact and circular cable core. The cable core is filled with the filling compound to protect it from water ingress. The PSP is longitudinally applied over the cable core, a thin PE inner sheath is applied, then the cable is completed with a PE outer sheath.

► Characteristics

- Good mechanical and temperature performance
- High strength loose tube has good performance of water proof and high strength
- Special tube filling compound ensure a critical protection of fiber
- Good crush resistance and flexibility
- The following measures are taken to ensure the cable watertight:
 - a. Steel wire used as the central strength member
 - b. Loose tube filling compound
 - c. 100% cable core filling
 - d. PSP enhancing moisture-proof and anti-rodent
 - e. Good water resistance material prevent longitudinal seepage



► Standards

Comply with Standard YD/T901-2001 as well as MT386-1995 and passes MA certification.

► Optical Characteristics

	G.652	G.655	50/125μm	50/125μm
Attenuation (+ 20°C)	@850 nm		≤3.0 dB/km	≤3.3 dB/km
	@1300 nm		≤1.0 dB/km	≤1.0 dB/km
	@1310 nm	≤0.36 dB/km	≤0.36 dB/km	
	@1550 nm	≤0.22 dB/km	≤0.22 dB/km	
Bandwidth(Class A)	@850 nm		≥500 MHz.km	≥200 MHz.km
	@1300 nm		≥1000 MHz.km	≥600 MHz.km
Numerical Aperture			0.200±0.015 NA	0.275±0.015 NA
Cable Cut-off Wavelength λ _{cc}	≤1260 nm	≤1450 nm		

► Technical Parameters

Cable Code (Increased by 2 fiber)	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength Long/Short term (N)	Crush resistance Long/Short term (N/100mm)	Bending Radius Static/Dynamic (mm)	Temperature Range (°C)	Application
MGTSV-4~144	4~144	9.5~15.6	95~270	600/1500	300/1000	10D/20D	-40°C~+60°C	Duct/Aerial/ Direct buride

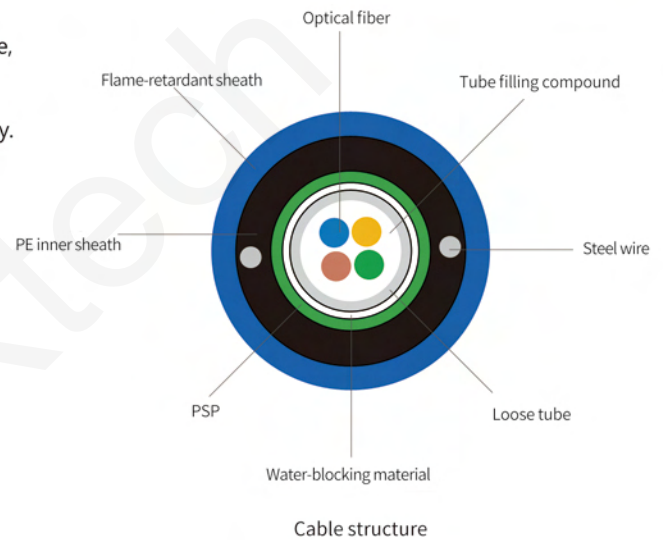
UNITUBE MINING FLAME-RETARDANT CABLE (MGXTW)

► Description

The structure of MGXTW cable is that fibers are positioned in a loose tube made of a high modulus plastic. The tube are filled with a water-resistant filling compound. The tube is wrapped with a layer of PSP longitudinally. Between the PSP and the loose tube water-blocking material is applied to keep the cable compact and watertight. The cable is completed with two sheaths, inner jacket is armored corrugated steel with the flame retardant polyolefin, outer jacket is blue Polyvinylchloride.

► Characteristics

- Good flame retardant performance.
- High strength loose tube that is hydrolysis resistant.
- Double sheathes and single armor providing excellent crush resistance, water proof, and avoiding rat bite.
- Loose tube wrapped by non-woven tape has the water blocking ability.
- Special tube filling compound ensure a critical protection of fiber.
- Blue PVC jacket: Flame retardant, the blue color is easy to identify.
- Crush resistance and flexibility.



► Standards

Comply with Standard YD/T796-2003.

► Optical Characteristics

		G.652	G.655	50/125μm	50/125μm
Attenuation (+20°C)	@850 nm			≤3.0 dB/km	≤3.3 dB/km
	@1300 nm			≤1.0 dB/km	≤1.0 dB/km
	@1310 nm	≤0.36 dB/km	≤0.36 dB/km		
	@1550 nm	≤0.22 dB/km	≤0.22 dB/km		
Bandwidth(Class A)	@850 nm			≥500 MHz.km	≥200 MHz.km
	@1300 nm			≥1000 MHz.km	≥600 MHz.km
Numerical Aperture				0.200±0.015 NA	0.275±0.015 NA
Cable Cut-off Wavelength λ _{cc}		≤1260 nm	≤1450 nm		

► Technical Parameters

Cable Code (Increased by 2 fiber)	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength Long/Short term (N)	Crush resistance Long/Short term (N/100mm)	Bending Radius Static/Dynamic (mm)	Temperature Range (°C)	Application
MGXTW-2~48	2~48	9.5~15.6	150~300	600/1500	300/1000	10D/20D	-40°C~+60°C	Duct/Aerial/ Direct buride

ALL DIELECTRIC SELF-SUPPORTING AERIAL CABLE (ADSS)

► Description

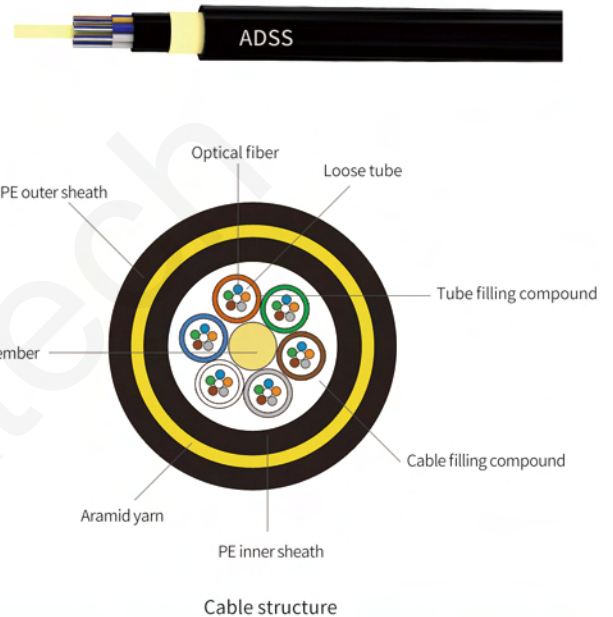
ADSS is one kind of loose tube stranded cable that fibers are positioned in the loose tube which is made of high modulus plastics. The tubes are filled with a water-resistant filling compound. And we use the FRP(fiber reinforced plastic) as the central strength member. The loose tube with the fibers and the FRP are stranded together first, and then we use the double PE sheath and the aramid yarn to protect the fibers. Because of the structure, ADSS can do the self-supporting and have a very excellent performance during the storage, operation and using.

► Characteristics

- Can be installed without shutting off the power
- Excellent AT performance, The maximum inductive at the operating point of AT sheath can reach 25kV
- Light weight and small diameter reducing the load caused by ice andwind and the load on towers and backprops
- Large span lengths and the largest span is over 1000m
- Good performance of tensile strength and temperature
- The design life span is 30 years

► Standards

Comply with Standard DL/T 788-2016



► Optical Characteristics

		G.652	G.655	50/125μm	50/125μm
Attenuation (+ 20°C)	@850 nm			≤3.0 dB/km	≤3.3 dB/km
	@1300 nm			≤1.0 dB/km	≤1.0 dB/km
	@1310 nm	≤0.36 dB/km	≤0.36 dB/km		
	@1550 nm	≤0.22 dB/km	≤0.22 dB/km		
Bandwidth(Class A)	@850 nm			≥500 MHz.km	≥200 MHz.km
	@1300 nm			≥1000 MHz.km	≥600 MHz.km
Numerical Aperture				0.200±0.015 NA	0.275±0.015 NA
Cable Cut-off Wavelength λ _{cc}		≤1260 nm	≤1450 nm		

► Technical Parameters

Cable Code (Increased by 2 fiber)	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength Long/Short term (N)	Crush resistance Long/Short term (N/100mm)	Bending Radius Static/Dynamic (mm)	Temperature Range (°C)	Application
ADSS-2~72	2~72	12.3~15.8	128~198	600/1500	300/1000	10D/20D	-40°C~+60°C	Self-supporting

OPTICAL FIBER COMPOSITE OVERHEAD GROUND WIRE (OPGW)

► Description

OPGW is a type of cable structure with composite of optical transmission and overhead ground wire for power transmission. It is working in power transmission line both as optical fiber cable and overhead ground wire which can provide protection of lightning strike and conducting short circuit current.

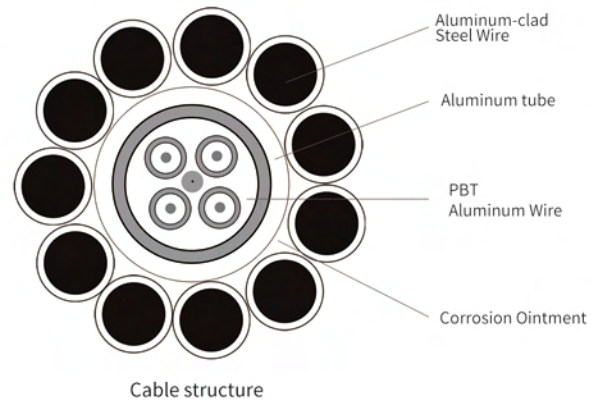
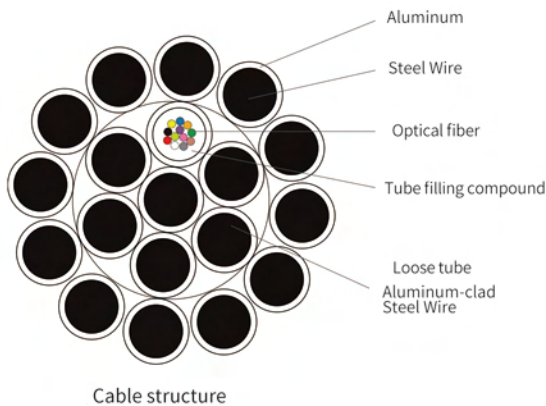
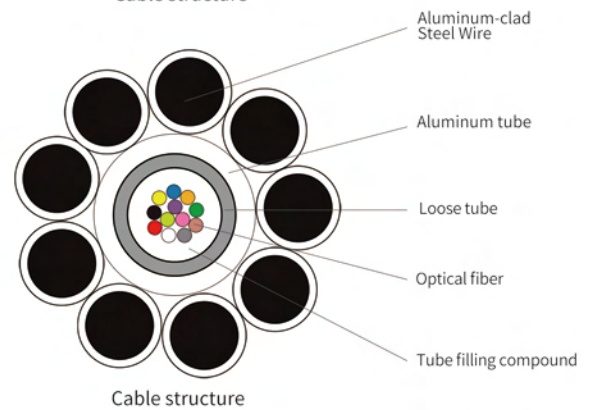
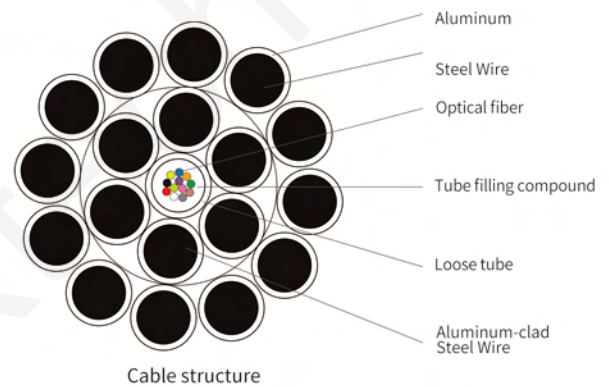
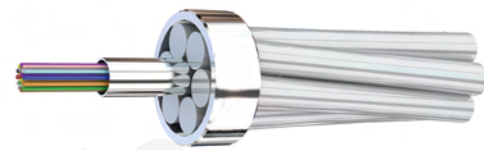
The OPGW consist of stainless steel tube optical unit, aluminum cladding steel wire, aluminum alloy wire. It has central stainless steel tube structure and layer stranding structure. We can design the structure according to different environment condition and customer' s requirements.

► Characteristics

- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Specially designed compact structure is good at preventing loose tube from shrinking
- Crush resistance and flexibility
- Steel wire used as the central strength member
- loose tube filling compound
- 100% cable core filling
- PSP enhancing moisture-proof

► Applications

- Adapt to replace the aged ground wire and new structure of high voltage ground wire.
- Lighting protection and conduct the short circuit current.
- Optical fiber communication ability.



OPPC OPTICAL FIBER COMPOSITE OVERHEAD PHASE GROUND (OPPC)

► Description

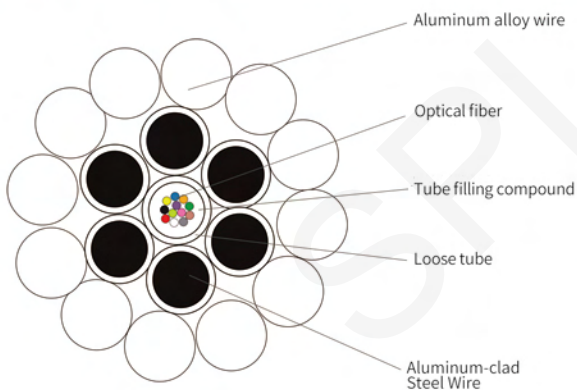
The OPPC fiber optical cable's Aluminum tube is surrounded by single or double layers of aluminum clad steel wires(ACS) or mix ACS wires. Aluminum fiber optical cables have the dual performance functions of phase conductors with communication capabilities.

► Characteristics

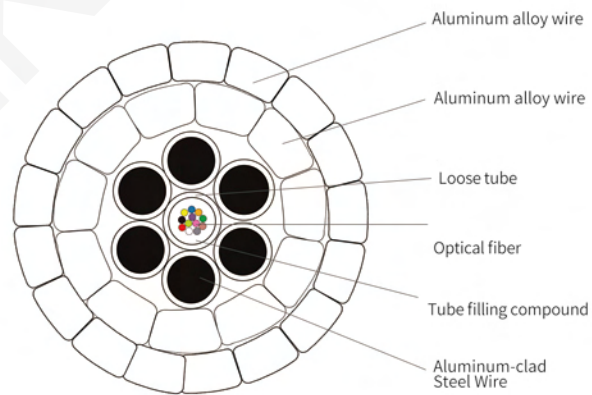
- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Specially designed compact structure is good at preventing loose tube from shrinking
- Crush resistance and flexibility
- Steel wire used as the central strength member
- loose tube filling compound 100% cable core filling

► Applications

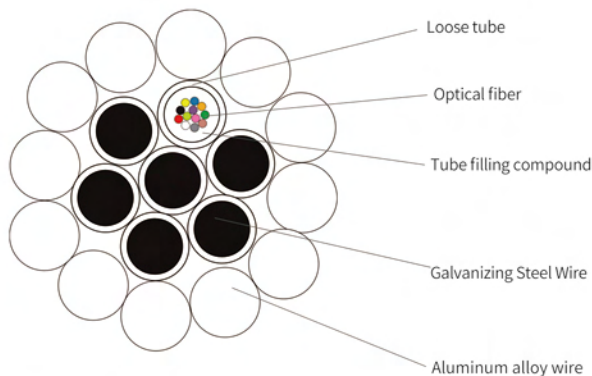
Mainly used for construction of the power system communication network, such as national power system, substation, wind power and so on



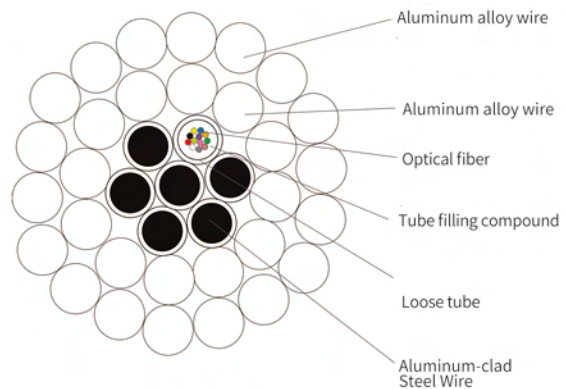
Cable structure



Cable structure



Cable structure



Cable structure

OPTICAL FIBER COMPOSITE LOW-VOLTAGE CABLE (OPLC)

► Description

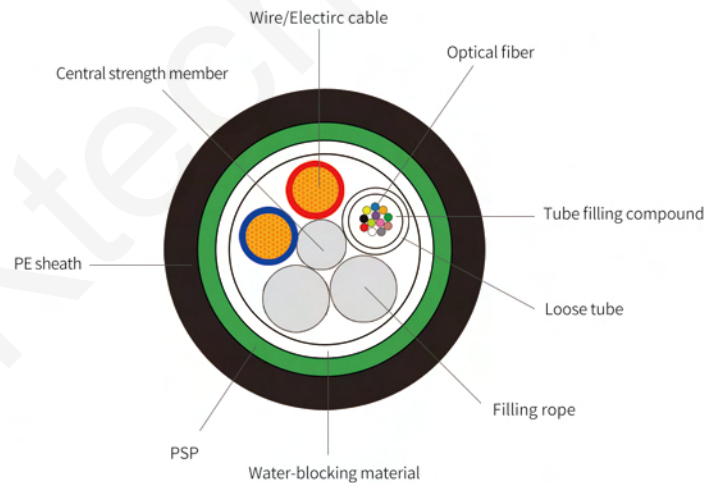
Composite Fiber Optic Cables that have a number of different components laid up within the bundle. These types of cables allow for multiple transmission paths by various components, no matter they are metal conductors or fiber optics, and allow the user to have a single cable, therefore reducing the overall cost and lead time for installation.

► Characteristics

- Low dispersion and attenuation.
- LAP Aluminum belt is applied around the cable core, which is filled with the filling compound to protect it from water-ingress.
- Proper design, precise control for fiber excess length and distinct stranding process render the excellent mechanical and enviromental properties.
- The armoring of steel wire and corrugate steel tape make cable have nice properties of moisture resistance and crush resistance
- Compact structure and lightness, flexible and good bend-resistant performance.

► Applications

- Used for outdoor distribution box to the building's pipeline; overhead; buried.
- Used in optical communication equipment room, light distribution frame light connection and optical
- instruments, equipment connect to the light.
- Used for tail fiber and jump in line.
- Used for buildings surrounding into cable.



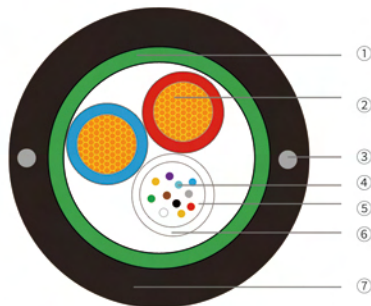
GYTA-12B1+RV1.0mm²Bc*2C

► Technical Parameters

Cable Code	Square number (mm ²)	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength		Bending Radius	
					Long/Short term (N)	Crush resistance Long/Short term (N/100mm)	Static/Dynamic (mm)	
OPLC+2*0.5	2*0.5	4/6/8/12	Customized	Customized	600/1500	300/1000	10D/20D	
OPLC+4*0.5	4*0.5	4/6/8/12	Customized	Customized	600/1500	300/1000	10D/20D	
OPLC+2*0.75	2*0.75	4/6/8/12	Customized	Customized	600/1500	300/1000	10D/20D	
OPLC+4*0.75	4*0.75	4/6/8/12	Customized	Customized	600/1500	300/1000	10D/20D	
OPLC+2*1.0	2*1.0	4/6/8/12	Customized	Customized	600/1500	300/1000	10D/20D	
OPLC+4*1.0	4*1.0	4/6/8/12	Customized	Customized	600/1500	300/1000	10D/20D	
OPLC+2*1.5	2*1.5	4/6/8/12	Customized	Customized	600/1500	300/1000	10D/20D	
OPLC+4*1.5	4*1.5	4/6/8/12	Customized	Customized	600/1500	300/1000	10D/20D	
OPLC+2*2.0	2*2.0	4/6/8/12	Customized	Customized	600/1500	300/1000	10D/20D	

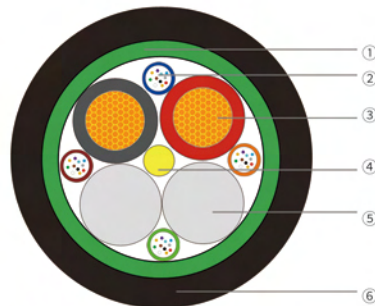
OPTICAL FIBER COMPOSITE LOW-VOLTAGE CABLE (OPLC)

► Description Of Product Structure



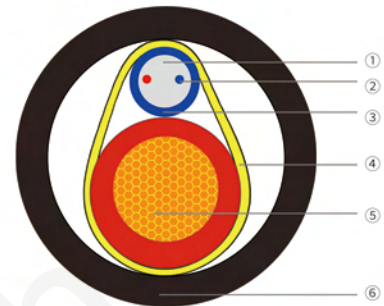
► GYXTY-4B1+RV1.5mm²Bc*2C

- | | |
|-------------------------|-------------------------|
| ① Corrugated steel tape | ⑤ Tube filling compound |
| ② Feeder line | ⑥ Loose tube |
| ③ Steel wire | ⑦ PE outer sheath |
| ④ Optical fiber | |



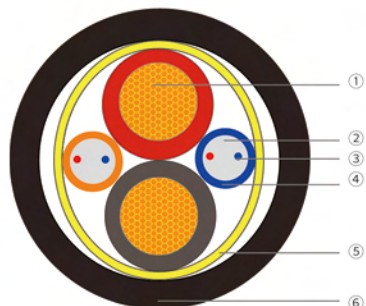
► GYFTA-48B1+RV6.0mm²*2C

- | | |
|-------------------------|-----------------------|
| ① Corrugated steel tape | ④ FRP strength member |
| ② Optical fiber | ⑤ Filling rope |
| ③ Feeder line | ⑥ PE outer sheath |



► GYFTY-2B1+RV6.0mm²Bc*1C

- | | |
|-------------------------|-------------------|
| ① Tube filling compound | ④ Kevlar yarn |
| ② Optical fiber | ⑤ Feeder line |
| ③ Loose tube | ⑥ PE outer sheath |



► GYFTY-4B1+RV6.0mm²BC*2C

- | | |
|-------------------------|-------------------|
| ① Feeder line | ④ Loose tube |
| ② Tube filling compound | ⑤ Kevlar yarn |
| ③ Optical fiber | ⑥ PE outer sheath |



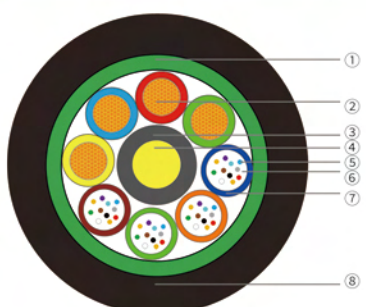
► GYFTY-24B1+RV2.5mm²*2C

- | | |
|-------------------------|--------------------------|
| ① Feeder line | ⑤ Strength member |
| ② Optical fiber | ⑥ Strength member sheath |
| ③ Tube filling compound | ⑦ Filling rope |
| ④ Loose tube | ⑧ PE outer sheath |



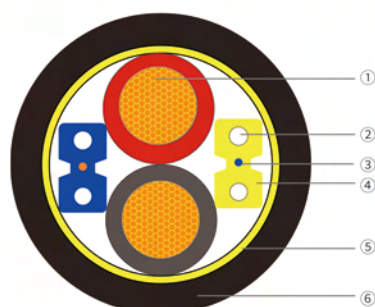
► GYFTY-24B1+RV2.5mm²BC*2C

- | | |
|---------------------------|--------------------------|
| ① Water-blocking Material | ⑥ Feeder line |
| ② Optical fiber | ⑦ Strength member sheath |
| ③ Tube filling compound | ⑧ Water-blocking yarn |
| ④ Loose tube | ⑨ Filling rope |
| ⑤ Strength member | ⑩ PE outer sheath |



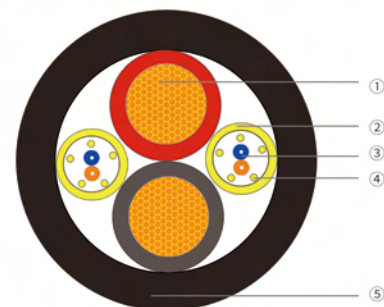
► GDTZS-48B1+RV2.0mm²*4C

- | | |
|--------------------------|-------------------------|
| ① Corrugated steel tape | ⑤ Optical fiber |
| ② Feeder line | ⑥ Tube filling compound |
| ③ Strength member sheath | ⑦ Loose tube |
| ④ Strength member | ⑧ PE outer sheath |



► GJXH-1B6a2*2c+RV1.5mm²Bc*2c

- | | |
|-----------------------|-------------------|
| ① Feeder line | ④ LSZH Jacket |
| ② FRP strength member | ⑤ Kevlar yarn |
| ③ Optical fiber | ⑥ PE outer sheath |



► GJFJV-2B1*2C+RV10.0mm²-Bc*2C

- | | |
|-------------------------|-------------------|
| ① Feeder line | ④ Kevlar yarn |
| ② Tube filling compound | ⑤ PE outer sheath |
| ③ Optical fiber | |

SIMPLEX CABLE (GJFJV)

► Description

GJFJV simplex cable use single 900µm or 600µm flame-retardant tight buffer fiber as optical communication medium. The tight buffer fiber wrapped with a layer of aramid yarn as strength member units, and the cable is completed with a PVC or LSZH (LOW smoke, Zero halogen, Flame-retardant)jacket.

► Characteristics

- Tight buffer fiber ease of stripping
- Tight buffer fiber have excellent flame-retardant performance
- Aramid yarn as strength member make cable have excellent tensile strength
- The jacket has the advantage of anti-corrosion, anti-water,anti-ultraviolet radiation flame-retardant and harmless to environment etc

► Applications

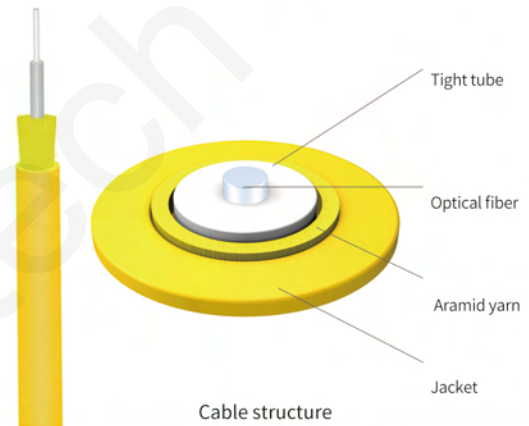
- Optical fiber jumper or pigtail
- Indoor riser level and plenum level cable distribution
- Interconnect between instruments, communication equipments

► Optical Characteristics

			50/125 µm	62.5/125 µm	G.652D	G.657A1	G.657A2	G.657B2	OM3	OM4
Attenuation (+ 20°C)	@850 nm	dB/km	≤3.5	≤3.5					≤3.5	≤3.5
	@1300 nm	dB/km	≤1.5	≤1.5					≤1.5	≤1.5
	@1310 nm	ddB/km			≤0.50	≤0.50	≤0.50	≤0.50		
	@1550 nm	B/km			≤0.40	≤0.40	≤0.40	≤0.40		
Bandwidth(Class A)	@850 nm	MHz.km	≥500	≥200					≥1500	≥3500
	@1300 nm	MHz.km	≥500	≥500					≥500	≥500
Numerical Aperture		NA	0.200±0.015	0.275±0.015						
Cable Cut-off Wavelength λ _c		nm			≤1260	≤1260	≤1260	≤1260		

► Standards

Comply with standard YD/T 1258.2、ICEA-596、GR-409、IEC 60794-2-10/11 etc; and meet the requirements of UL approval for OFNR and OFNP.



► Technical Parameters

Cable Code	Cable Diameter (mm)	Cable Weight(kg/km)		TBF Diameter (µm)	Tensile Strength Long/Short term (N)	Crush resistance Long/Short term (N/100mm)	Bending Radius Static/Dynamic (mm)
		PVC Jacket	LSZH Jacket				
GJFJV	2.0±0.2	2.4	2.6	600±50	60/150	100/500	30/50
GJFJV	2.8±0.2	6.0	7.5	900±50	80/150	100/500	30/50
GJFJV	3.0±0.2	6.0	7.5	900±50	80/150	100/500	30/50

Transport/Storage/Operating Temperature: -20°C~+60°C, Installation Temperature: -5°C~+50 °C

ZIPCORD INTERCONNECT CABLE (GJFJ8V)

Description

GJFJ8V interconnect cable use $\phi 900\mu\text{m}$ or $\phi 600\mu\text{m}$ flame-retardant tight buffer fiber as optical communication medium, the tight buffer fiber wrapped with a layer of aramid yarn as strength member units, and the cable is completed with a PVC or LSZH (LOW smoke , Zero halogen , Flame-retardant) jacket.

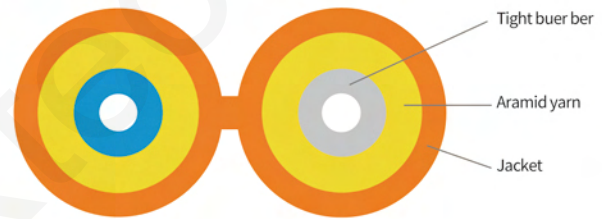
Characteristics

- Tight buffer fiber ease of stripping
- Tight buffer fiber have excellent flame-retardant performance
- Aramid yarn as strength member make cable have excellent tensile strength
- Figure 8 structure jacket facilitate embranchment.
- All dielectric structure protect it from electromagnetic influence
- Scientific design with serious processing art
- The jacket anti-corrosion, anti-water, anti-ultraviolet radiation, flame-retardant and harmless to environment etc.



Applications

- Duplex optical fibre jumper or pigtail
- Indoor riser level and plenum level cable distribution
- Interconnect between instruments, communication equipments



Standards

Comply with standard YD/T 1258.2-2003、 ICEA-596、 GR-409、 IEC 60794-2-10/11、 etc; and meet the requirements of UL approval for OFNR and OFNP.

Cable structure

Optical Characteristics

			50/125 μm	62.5/125 μm	G.652D	G.657A1	G.657A2	G.657B2	OM3	OM4
Attenuation (+ 20°C)	@850 nm	dB/km	≤ 3.5	≤ 3.5					≤ 3.5	≤ 3.5
	@1300 nm	dB/km	≤ 1.5	≤ 1.5					≤ 1.5	≤ 1.5
	@1310 nm	ddB/km			≤ 0.50	≤ 0.50	≤ 0.50	≤ 0.50		
	@1550 nm	B/km			≤ 0.40	≤ 0.40	≤ 0.40	≤ 0.40		
Bandwidth(Class A)	@850 nm	MHz.km	≥ 500	≥ 200					≥ 1500	≥ 3500
	@1300 nm	MHz.km	≥ 500	≥ 500					≥ 500	≥ 500
Numerical Aperture		NA	0.200 ± 0.015	0.275 ± 0.015						
Cable Cut-off Wavelength λ_{cc}		nm			≤ 1260	≤ 1260	≤ 1260	≤ 1260		

Technical Parameters

Cable Code	Fiber count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength Long/Short term (N)	Crush resistance Long/Short term (N/100mm)	Bending Radius Static/Dynamic (mm)
GJFJ8V-1~2	1~2	$(6.0 \pm 0.4) * (2.8 \pm 0.2)$	10~20	80/150	100/500	30/50

Transport/Storage/Operating Temperature: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$, Installation Temperature: $-5^{\circ}\text{C} \sim +50^{\circ}\text{C}$

FLAT FIBER RIBBON CABLE (GJDFJV)

Description

Flat Fiber Ribbon Cable (GJDFJV) uses the optical fiber belt as the optical wheel medium and a layer of aramid fiber as the stress reinforcement unit. It is made of a flat PVC or LSZH (low smoke, halogen-free, flame-retardant) assembly sheath.

Characteristics

- aramid reinforced element, which makes the optical cable have excellent tensile performance
- Compact structure, high fiber density, good softness and side pressure resistance
- The external protection material has the advantages of corrosion resistance, waterproof, UV protection, flame retardant, environmental protection, etc
- all dielectric structure, free from electromagnetic interference
- Rigorous processing technology and scientific and reasonable design

Applications

- Flexible connection jumper of belt optical fiber
- Indoor wiring for various purposes
- Interconnection of optical fiber distribution equipment

Standards

Comply with standard YD/T 1258.2-2005、ICEA-596、GR-409、IEC 60794-2-30/31、 etc; and meet the requirements of UL approval for OFNP.

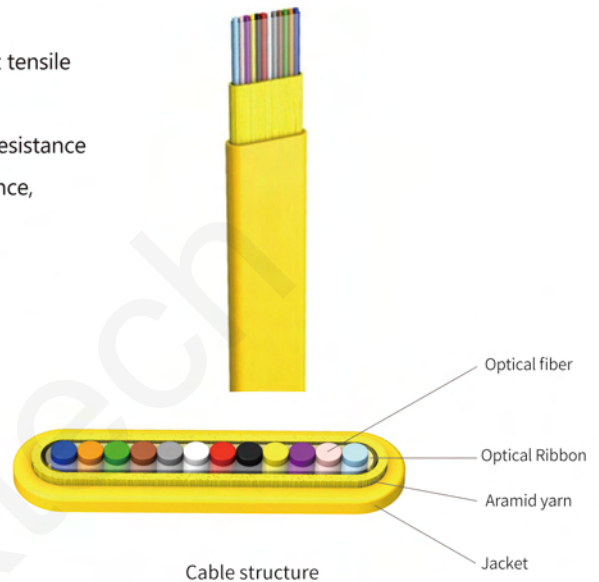
Optical Characteristics

			50/125 μm	62.5/125 μm	G.652D	G.657A1	G.657A2	G.657B2	OM3	OM4
Attenuation (+ 20°C)	@850 nm	dB/km	≤3.5	≤3.5					≤3.5	≤3.5
	@1300 nm	dB/km	≤1.5	≤1.5					≤1.5	≤1.5
	@1310 nm	ddB/km			≤0.50	≤0.50	≤0.50	≤0.50		
	@1550 nm	B/km			≤0.40	≤0.40	≤0.40	≤0.40		
Bandwidth(Class A)	@850 nm	MHz.km	≥500	≥200					≥1500	≥3500
	@1300 nm	MHz.km	≥500	≥500					≥500	≥500
Numerical Aperture		NA	0.200±0.015	0.275±0.015						
Cable Cut-off Wavelength λ _{cc}		nm			≤1260	≤1260	≤1260	≤1260		

Technical Parameters

Cable Code	Fiber count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength Long/Short term (N)	Crush resistance Long/Short term (N/100mm)	Bending Radius Static/Dynamic (mm)
GJDFJV-4~12	4~12	(2.5±0.2)*(4.5±0.4)	6~8.5	80/150	200/1000	30D/60D

Transport/Storage/Operating Temperature: -20°C~+60°C, Installation Temperature: -5°C~+50 °C



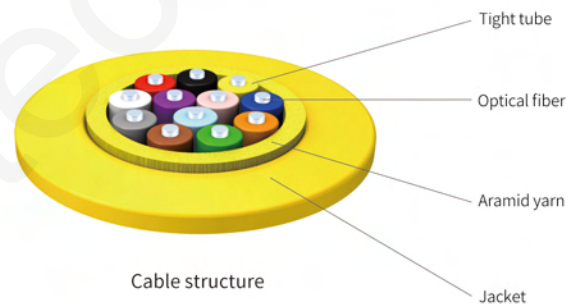
MULTI PURPOSE DISTRIBUTION CABLE (GJFJV)

Description

GJFJV multi-purpose disunion cable use several 900µm flame-retardant tight buffer fiber as optical communication medium , the tight buffer fiber wrapped with a layer of aramid yarn as strength member units, and the cable is completed with a PVC or LSZH (LOW smoke , Zero halogen , Flame-retardant) jacket.

Characteristics

- Small outer diameter, light weight, low attenuation, high softness.
- Tight sleeve optical fiber is used for easy stripping.
- Tight fiber has good flame retardant performance.
- Aramid reinforced elements make the optical cable have excellent tensile properties.
- Excellent twisting resistance.
- The external protection material has the characteristics of corrosion resistance, water-proof, anti-corrosion, flame retardant, environmental protection, etc.
- All dielectric structure, free from electromagnetic interference.
- Rigorous processing technology and scientific and reasonable design



Applications

- the cable is suitable for indoor wiring.
- Suitable for pigtail jumper and jumper
- optical connection suitable for communication equipment and optical instruments.
- Suitable for floor connection and convenient maintenance.

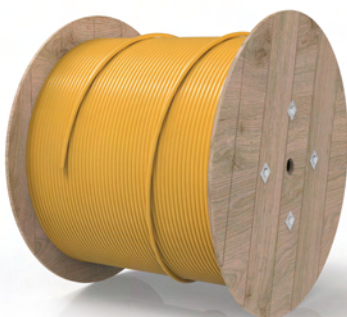
Standards

Comply with standard YD/T 1258.4-2005、 ICEA-596、 GR-409、 IEC 60794 etc; and meet the requirements of UL approval for OFNR

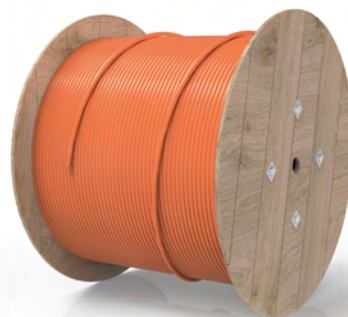
Technical Parameters

Cable Code	Fiber count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength Long/Short term (N)	Crush resistance Long/Short term (N/100mm)	Bending Radius Static/Dynamic (mm)
GJFJV-2~12	2~12	2.0~7.0	10~35	80/150	100/500	10D/20D

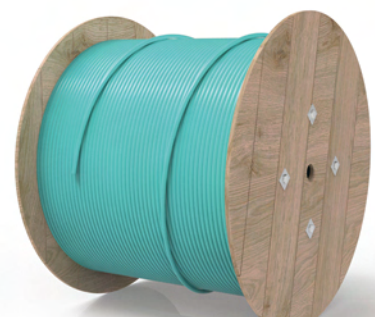
Transport/Storage/Operating Temperature: -20°C~+60°C, Installation Temperature: -5°C~+50 °C



Singlemode



multimode



OM3

MULTI PURPOSE BREAK-OUT CABLE (BOC)

Description

GJBFJV multi-purpose break-out cable use simplex cable ($\varphi 900\mu\text{m}$ tight buffer fiber, aramid yarn as strength member) as subunit. A fibre reinforced plastic (FRP) locates in the center of core as a non-metallic strength member. The subunits are stranded around the cable core. The cable is completed with a PVC or LSZH (Low smoke, Zero Halogen, Flame-retardant) jacket.

Characteristics

- Stranded non-metallic strength member structure ensure the cable endure larger tensile strength .
- Aramid yarn as strength member make cable have excellent tensile strength
- The jacket anti-corrosion, anti-water, anti-ultraviolet radiation, flame-retardant and harmless to environment etc.

Applications

- Indoor any purpose cable distribution
- backbone distribution cable in a building

Standards

Comply with standard YD/T 1258.2-2005、ICEA-596、GR-409、IEC 60794-2-20/21、 etc; and meet the requirements of UL approval for OFNR.

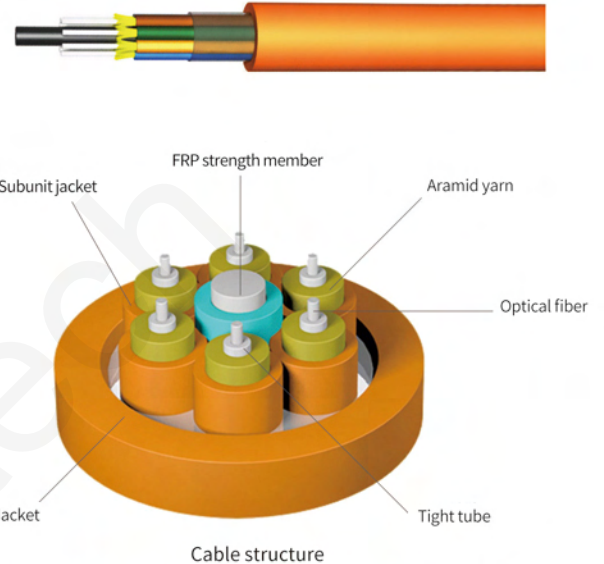
Optical Characteristics

			50/125 μm	62.5/125 μm	G.652D	G.657A1	G.657A2	G.657B2	OM3	OM4
Attenuation (+ 20°C)	@850 nm	dB/km	≤ 3.5	≤ 3.5					≤ 3.5	≤ 3.5
	@1300 nm	dB/km	≤ 1.5	≤ 1.5					≤ 1.5	≤ 1.5
	@1310 nm	ddB/km			≤ 0.50	≤ 0.50	≤ 0.50	≤ 0.50		
	@1550 nm	B/km			≤ 0.40	≤ 0.40	≤ 0.40	≤ 0.40		
Bandwidth(Class A)	@850 nm	MHz.km	≥ 500	≥ 200					≥ 1500	≥ 3500
	@1300 nm	MHz.km	≥ 500	≥ 500					≥ 500	≥ 500
Numerical Aperture		NA	0.200 ± 0.015	0.275 ± 0.015						
Cable Cut-off Wavelength λ_{cc}		nm			≤ 1260	≤ 1260	≤ 1260	≤ 1260		

Technical Parameters

Cable Code	Fiber count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength Long/Short term (N)	Crush resistance Long/Short term (N/100mm)	Bending Radius Static/Dynamic (mm)
BOC-4~48	4~48	7.4~19.5	50~344	400/1320	300/1000	10D/20D

Transport/Storage/Operating Temperature: -20°C~+60°C, Installation Temperature: -5°C~+50 °C



INDOOR SELF-SUPPORTING BOW-TYPE DROP CABLE(GJXFH)

Description

The optical fiber unit is positioned in the centre. Two parallel Fiber Reinforced Plastics (FRP) are placed at the two sides. Then the cable is completed with a black or color LSZH sheath.

Characteristics

- Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property.
- Two parallel FRP strength members ensure good performance of crush resistance to protect the fiber.
- Simple structure, light weight and high practicability.
- Novel flute design, easily strip and splice, simplify the installation and maintenance.
- Low smoke, zero halogen and flame retardant sheath.

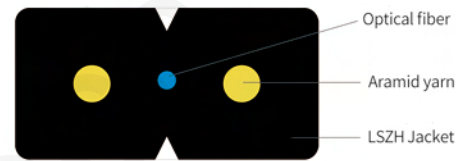
Applications

- Used in indoor cabling, especially used for FTTH.
- Used as access building cable.

Standards

Comply with standard YD/T 1997-2007、ICEA-596、GR-409、IEC 60794、etc.

Optical Characteristics



1 Core Cable structure



2 Core Cable structure

		G.652D	G.655	G.657·A1	G.657·A2	G.657·B3
Attenuation (+ 20°C)	@850 nm					
	@1300 nm					
	@1310 nm	≤0.45 dB/km	≤0.45 dB/km	≤0.45 dB/km	≤0.45 dB/km	≤0.45 dB/km
	@1550 nm	≤0.30 dB/km	≤0.30 dB/km	≤0.30 dB/km	≤0.30 dB/km	≤0.30 dB/km
Bandwidth(Class A)	@850 nm					
	@1300 nm					
Numerical Aperture						
Cable Cut-off Wavelength λ _c		≤1260 nm	≤1260 nm	≤1260 nm	≤1260 nm	≤1260 nm

Technical Parameters

Cable Code	Fiber count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength Long/Short term (N)	Crush resistance Long/Short term (N/100mm)	Bending Radius Static/Dynamic (mm)
GJXFH	1-2	2.0*3.0±0.1	7.50	40/80	500/1000	10D/20D

Transport/Storage/Operating Temperature: -20°C~+60°C, Installation Temperature: -20°C~+60 °C

OUTDOOR SELF-SUPPORTING BOW-TYPE DROP CABLE(GJYXFCH)

▶ Description

The optical fiber unit is positioned in the centre. Two parallel Fiber Reinforced Plastics (FRP) are placed at the two sides. A steel wire as the additional strength member is also applied. Then the cable is completed with a black or color LSZH sheath.

▶ Characteristics

- Special Low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property.
- Two parallel FRP or KFRP or steel wire as strength memners ensure good performance of crush resistance to protect the fiber.
- Single steel wire as the traditional strength member ensures god performance of tensile strength.
- Simple structure,light weight and high practicability.
- Novel flute design, easily strip and splice,simplify the installation and maintenance.
- Low smoke, zero halogen and flame retardant sheath.

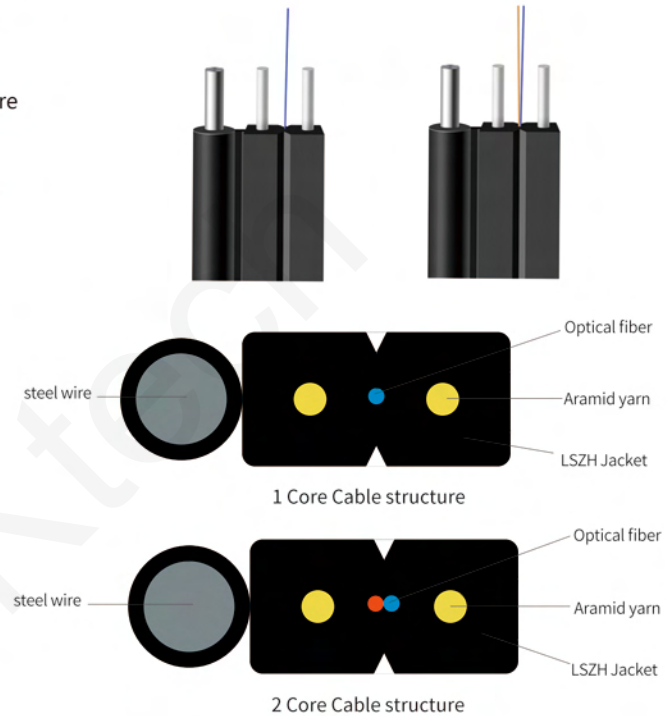
▶ Applications

- Used in outdoor cabling,especially used for FTTH.
- Used as access building cable.

▶ Standards

Comply with standard YD/T 1997-2007、ICEA-596、GR-409、IEC 60794、etc.

▶ Optical Characteristics



		G.652D	G.655	G.657·A1	G.657·A2	G.657·B3
Attenuation (+ 20°C)	@850 nm					
	@1300 nm					
	@1310 nm	≤0.45 dB/km	≤0.45 dB/km	≤0.45 dB/km	≤0.45 dB/km	≤0.45 dB/km
	@1550 nm	≤0.30 dB/km	≤0.30 dB/km	≤0.30 dB/km	≤0.30 dB/km	≤0.30 dB/km
Bandwidth(Class A)	@850 nm					
	@1300 nm					
Numerical Aperture						
Cable Cut-off Wavelength λ _{cc}		≤1260 nm	≤1260 nm	≤1260 nm	≤1260 nm	≤1260 nm

▶ Technical Parameters

Cable Code	Fiber count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength Long/Short term (N)	Crush resistance Long/Short term (N/100mm)	Bending Radius Static/Dynamic (mm)
GJYXFCH	1-2	2.0*5.0±0.1	20.70	300/600	1000/2200	10D/20D

Transport/Storage/Operating Temperature: -20°C~+60°C, Installation Temperature: -20°C~+60 °C

GIGABIT SINGLEMODE

► Description

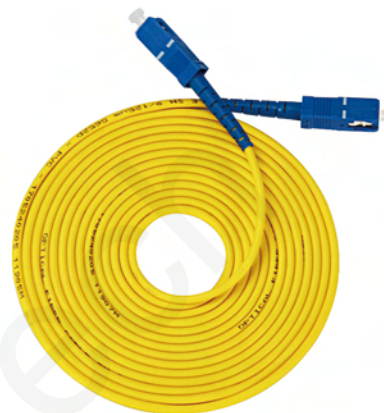
Fiber Optic Patch Cable is also known as fiber optic jumper or fiber optic patch cord. Fiber Optic Patch Cable is important of optical network. They have same or different connectors which are installed on the end of fiber optic cable. Fiber optic patch cables are used in two major application areas: computer work station to outlet and patch panels or optical cross connect distribution center. The Fiber Optic Patch Cord series comes with a comprehensive collection of lengths and connectors to fulfill your demand.

► Characteristics

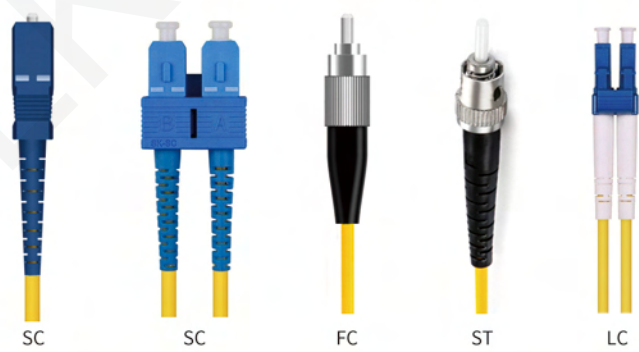
- Low insertion loss and back reflection loss
- High return loss
- Stable capability and high reliability
- Excellent mechanical capability
- Good exchangeability
- Good Durability
- Superior quality standard PC/UPC/APC polishing

► Applications

- Cabling system, ODF
- Optical fiber communication systems
- Optical fiber data transmission
- Telecom net
- Optical fiber sensor
- Optical fiber test equipment
- Optical fiber communication system
- FTTH, LAN,PON & Optical CATV



Product Display



► Technical Parameters

Connector Type	Endface Type	Insertion Loss (dB)	Return Loss (dB)	Repeatability (dB)	Interchangeability (dB)	Tensile strength	Cable Diameter (mm)	Cable Length (m)	Jacket Materials
SC	PC	≤0.3	≥45	≤0.1	≤0.2	≥90 (Φ3.0)	0.9/2/3	3/5/10m or customized	PVC/LSZH
FC	UPC	≤0.2	≥50	≤0.1	≤0.2		0.9/2/3		PVC/LSZH
LC	APC	≤0.3	≥60	≤0.1	≤0.2	≥70 (Φ2.0)	0.9/2/3		PVC/LSZH

Transport/Storage/Operating Temperature: -20°C~+70 °C

GIGABIT MULTIMODE

► Description

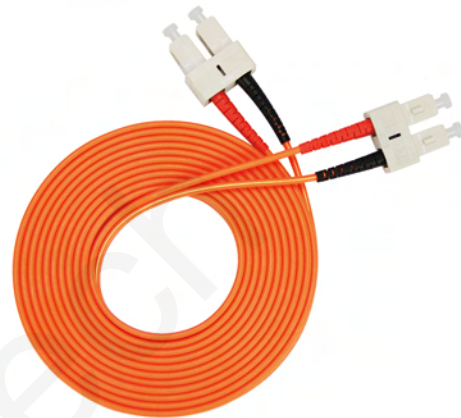
The multimode bend insensitive fiber optic cable is less attenuation when bent or twisted compared with traditional optical fiber cables and this will make the installation and maintenance of the fiber optic cables more efficient. It can also save more space for your high density cabling in data centers, enterprise networks, telecom room, server farms, cloud storage networks, and any places fiber patch cables are needed.

► Characteristics

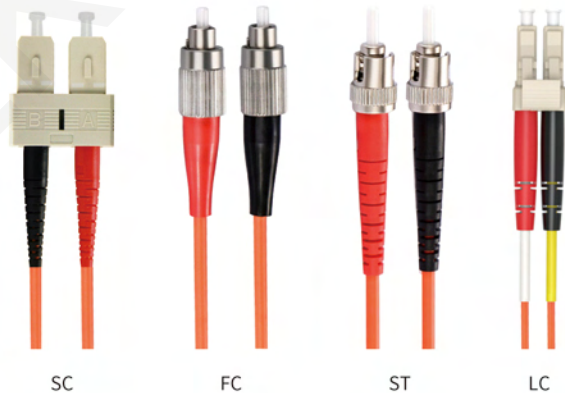
- Low insertion loss and back reflection loss
- High return loss
- Stable capability and high reliability
- Excellent mechanical capability
- Good exchangeability
- Good Durability

► Applications

- Cabling system, ODF
- Optical fiber communication systems
- Optical fiber data transmission
- Telecom net
- Optical fiber sensor
- Optical fiber test equipment
- Optical fiber communication system
- FTTH, LAN,PON & Optical CATV



Product Display



► Technical Parameters

Connector Type	Endface Type	Insertion Loss (dB)	Return Loss (dB)	Repeatability (dB)	Interchangeability (dB)	Tensile strength	Cable Diameter (mm)	Cable Length (m)	Jacket Materials
SC	PC	≤0.3	≥30	≤0.1	≤0.2	≥90 (Φ3.0)	0.9/2/3	3/5/10m or customized	PVC/LSZH
FC	UPC	≤0.2	≥35	≤0.1	≤0.2		0.9/2/3		PVC/LSZH
LC	APC	≤0.3	≥60	≤0.1	≤0.2	≥70 (Φ2.0)	0.9/2/3		PVC/LSZH

Transport/Storage/Operating Temperature: -20°C~+70 °C

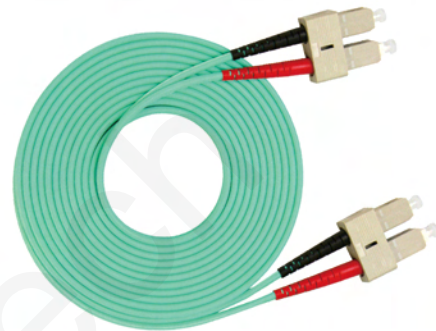
10G MULTIMODE OM3

Description

The optical Fiber Connectors (Commonly we call Patch Cords) is a length of optical cable with connectors fixed on two ends to realize the optical path active connection. Pigtail is a length fiber cable with only one connector fixed on one end. If both sides of the connector or its end-face are different, we call it hybrid patch cord. According to the transmission medium, it divides Single Mode and Multi Mode; according to the connector structure type, it divides FC, SC, ST, MU, D4, E2000, LC etc.; according to the polished ceramic end-face, it divides PC, UPC and APC.

Characteristics

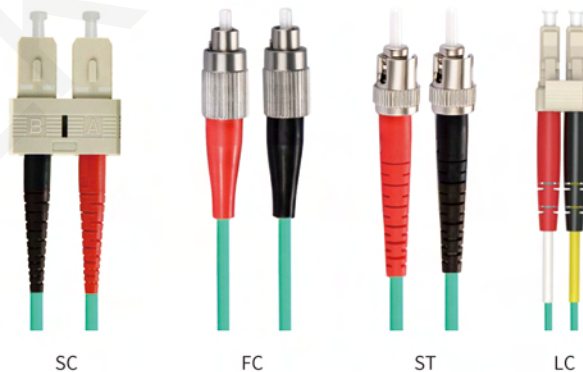
- Low insertion loss and back reflection loss
- High return loss
- Stable capability and high reliability
- Excellent mechanical capability
- Good exchangeability
- Good Durability



Product Display

Applications

- Cabling system, ODF
- Optical fiber communication systems
- Optical fiber data transmission
- Telecom net
- Optical fiber sensor
- Optical fiber test equipment
- Optical fiber communication system
- FTTH, LAN, PON & Optical CATV



Technical Parameters

Connector Type	Endface Type	Insertion Loss (dB)	Return Loss (dB)	Repeatability (dB)	Interchangeability (dB)	Tensile strength	Cable Diameter (mm)	Cable Length (m)	Jacket Materials
SC	PC	≤0.3	≥30	≤0.1	≤0.2	≥90 (Φ3.0)	0.9/2/3	3/5/10m or customized	PVC/LSZH
FC	UPC	≤0.2	≥35	≤0.1	≤0.2		0.9/2/3		PVC/LSZH
LC	APC	≤0.3	≥60	≤0.1	≤0.2	≥70 (Φ2.0)	0.9/2/3		PVC/LSZH

Transport/Storage/Operating Temperature: -20°C~+70 °C

APC

Description

The Fiber Optic Patch Cord is a length of fiber cable with connectors fixed on two ends to realize the optical path active connection. The Pigtail is a length fiber cable with only one connector fixed on one end. If both sides of the connector or its end-face are different, we call it hybrid patch cord. According to the transmission medium, it divides to Single Mode and Multi Mode Fiber Optic Patch Cord; According to the connector structure type, it divides FC, SC, ST, MU, D4, E2000, LC etc.; According to the polished ceramic end-face, it divides to PC, UPC and APC

Characteristics

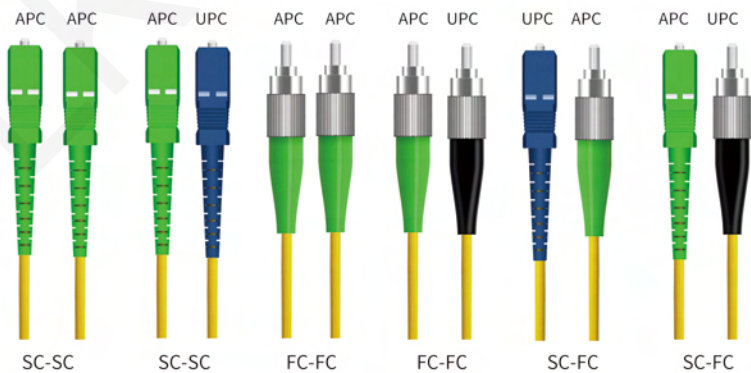
- Low insertion loss and back reflection loss
- High return loss
- Stable capability and high reliability
- Excellent mechanical capability
- Good exchangeability
- Good Durability
- Superior quality standard PC/UPC/APC polishing



Product Display

Applications

- Cabling system, ODF
- Optical fiber communication systems
- Optical fiber data transmission
- Telecom net
- Optical fiber sensor
- Optical fiber test equipment
- Optical fiber communication system
- FTTH, LAN, PON & Optical CATV



Technical Parameters

Connector Type	Endface Type	Insertion Loss (dB)	Return Loss (dB)	Repeatability (dB)	Interchangeability (dB)	Tensile strength	Cable Diameter (mm)	Cable Length (m)	Jacket Materials
SC FC	PC	≤0.3	≥45	≤0.1	≤0.2	≥90 (Φ3.0)	0.9/2/3	3/5/10m or customized	PVC/LSZH
	UPC	≤0.2	≥50	≤0.1	≤0.2		0.9/2/3		PVC/LSZH
	APC	≤0.3	≥60	≤0.1	≤0.2	≥70 (Φ2.0)	0.9/2/3		PVC/LSZH

Transport/Storage/Operating Temperature: -20°C~+70 °C

ARMOUR OPTIC PATCH CORD

► Description

Armoured optic fiber patchcord and traditional fiber optic patchcord the biggest difference is that it uses a small bypass pipe and a woven metal mesh to protect the optical fiber according to fiber easy broken, easy damage defects, and flame retardant PVC protective sheath, in order to achieve the purpose of moistureproof fireproof and prevention of rat bite. It can be directly laid in the network room and other harsh environments, without the use of protective sleeves for saving space. Armored cable structure as follows: 0.6 tightly fiber + metal hose + Dupont Kevlar+ woven metal wire (reinforced cable torsion function, to prevent external damage to cable) + environmental flame retardant PVC, than cable strength greater than the general indoor cable. It Can prevent rat bite, compressive, tensile, meet the harsh working environment. Greatly enhance the network maintenance convenience.

► Characteristics

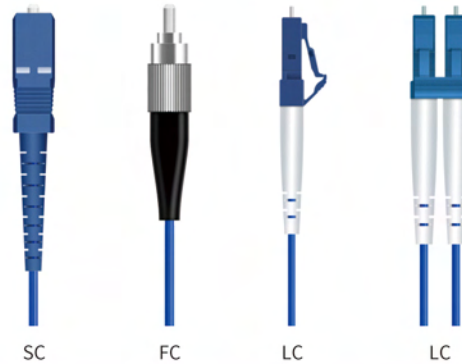
- Small diameter stainless steel casing pipeprotection
- Against improper torsional damage
- High tensile, compressive, high anti- rat bite
- Convenient construction, ensure the safety
- No need to worry about construction, fiber damage

► Applications

- Indoor network room wiring distribution
- LAN, access network
- Telecom, Gigabit data network
- Mechaninal equipment
- Industry and military applications



Product Display



► Technical Parameters

Connector	Core type	Polish	Insertion Loss (dB)	Return Loss (dB)	Exchangeability (dB)	Cable Diameter (mm)	Test Wavelength
SC, LC, FC, ST, MTRJ, MPO, E2000	SM	PC, UPC, APC	≤0.2	PC≥45, UPC≥50, APC≥60	≤0.2	0.9/2/3	1310/1550nm
	MM	PC, UPC	PC≤0.3, UPC≤0.2	≥35	≤0.2	0.9/2/3	850/1310nm

Transport/Storage/Operating Temperature: -20°C~+70 °C

OM3/OM4 MPO

► Description

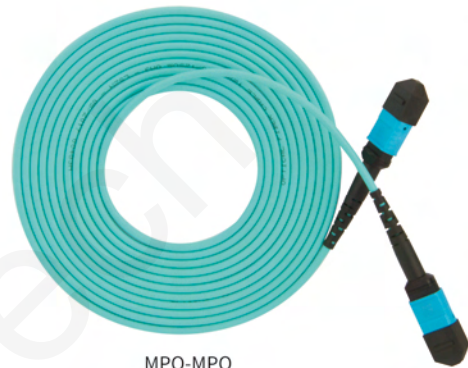
MPO/MTP trunk multicore cable assemblies facilitate rapid deployment of high density backbone cabling in data centers and other high fiber environment, reducing network installation or reconfiguration time and cost, they are used to interconnect cassettes, plane or fan outs. It offered in fiber types in standard 8, 12, 24 or 48 cores versions using a compact and rugged microcables structure. The compact cable optimize cableway use and improve airflow. These MPO/MTP cable are built with highest quality components. Low loss elite versions are offered, featuring low insertion loss for demanding high speed networks where power budgets are critical.

► Characteristics

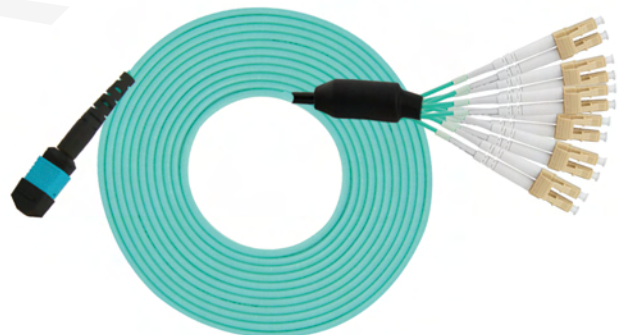
- Low Insertion loss
- High return loss
- Good Repeatability
- Good Interchange
- Excellent Environmental Adaptability

► Applications

- Communication rooms
- FTTH (Fiber to The Home)
- LAN (Local Area Network)
- FOS (fiber optic sensor)
- Fiber Optic Communication System
- Optical fiber connected and transmitted equipment
- Defense combat readiness



MPO-MPO



MPO-LC

► Technical Parameters

Connector	Core type	Connector Fiber Count	Polish	Insertion Loss(dB)		Return Loss (dB)	Durability(dB) (500 Matings)	Test Wavelength
				Standard	Elite Low Loss			
MPO/MTP	SM	8、 12、 24 48 Core	PC、 APC	≤0.7	≤0.35	PC≥50,APC≥60	≤0.2	1310/1550nm
	MM		PC	≤0.5	≤0.30	≥30	≤0.2	850/1310nm
LC Uniboot, SC,FC,ST	SM	8、 12、 24 48 Core	PC、 APC	≤0.2		PC≥50,APC≥60	≤0.2	1310/1550nm
	MM		PC	≤0.2		≥35	≤0.2	850/1310nm

Transport/Storage/Operating Temperature: -20°C~+70 °C

12 CORES FIBER OPTIC PIGTAIL

▶ Description

Pigtail is a length fiber cable with only one connector fixed on one end. If both sides of the connector or its end-face are different, we call it hybrid patch cord. According to the transmission medium, it divides Single Mode and Multi Mode; According to the connector structure type, it divides FC, SC, ST, MU, D4, LC etc.; According to the polished ceramic end-face, it divides PC, UPC and APC.

▶ Characteristics

- High quality ferrule
- Low insertion loss and high return loss
- High interchangeability and durability
- The fiber optic patch cord can be customized according to customers' specific requirements
- Compliant with Telcordia GR-326-CORE, IEC and RoHS standards
- Strict curing time and temperature control
- Strict testing standard and methods
- Strict quality testing.

▶ Applications

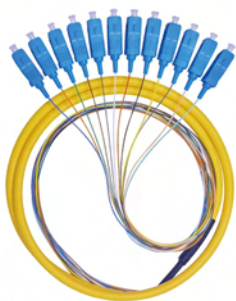
- CATV
- Active device termination
- Telecommunication networks
- Metro
- Local Area Networks (LANs)
- Data processing networks
- Test equipment
- Premise installation
- Wide Area Networks(WANs)

▶ Technical Parameters

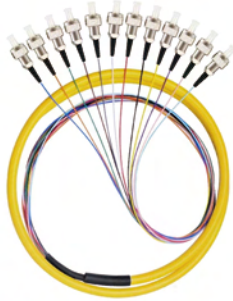
Pigtail Connector			Insertion loss (typical)(dB)	Return Loss (dB)	Operating wavelength (nm)	Exchangeability (dB)	Vibration (dB)	Cable diameter (mm)
FC, SC LC,ST	SM	PC	≤ 0.3	≥ 45	1310, 1510	≤0.2	≤0.2	3.0, 2.0, 0.9
		UPC	≤ 0.2	≥ 50				
		APC	≤ 0.3	≥ 60				
	MM	PC	≤ 0.2	≥ 30				
ST, MU	SM	PC	≤ 0.3	≥ 45	1310, 1510	≤0.2	≤0.2	3.0, 2.0, 0.9
		UPC	≤ 0.2	≥ 50				
	MM	PC	≤ 0.2	≥ 30				
MT-RJ MPO	SM	PC	≤ 0.3	≥ 45	1310, 1510	≤0.2	≤0.2	3.0, 2.0, 0.9
		UPC	≤ 0.2	≥ 50				
	MM	PC	≤ 0.2	≥ 35				
E2000	SM	PC	≤ 0.3	≥ 55	1310, 1510	≤0.2	≤0.2	3.0, 2.0, 0.9
		APC	≤ 0.3	≥ 75				

Transport/Storage/Operating Temperature: -20°C~+70 °C

12 CORES FIBER OPTIC PIGTAIL



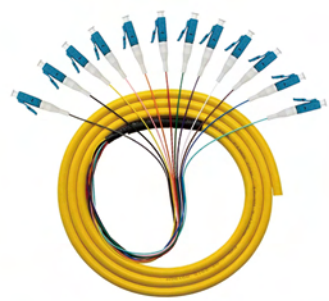
▶ 12 Core SC SM UPC



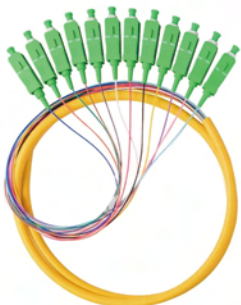
▶ 12 Core FC SM UPC



▶ 12 Core ST SM UPC



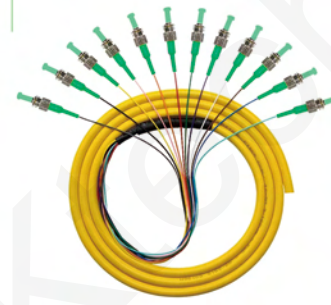
▶ 12 Core LC SM UPC



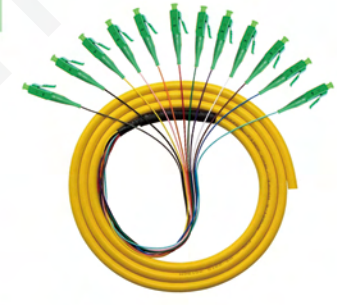
▶ 12 Core SC SM APC



▶ 12 Core FC SM APC



▶ 12 Core ST SM APC



▶ 12 Core LC SM APC



▶ 12 Core SC MM UPC



▶ 12 Core FC MM UPC



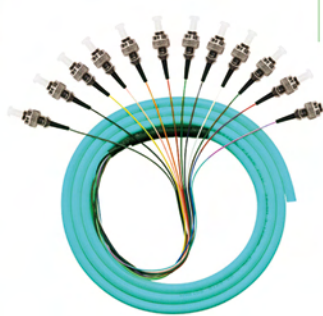
▶ 12 Core ST MM UPC



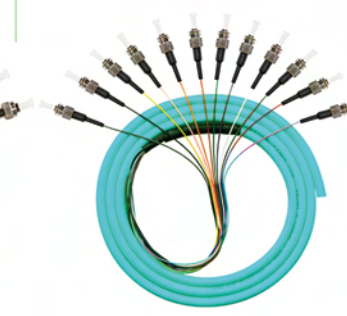
▶ 12 Core LC MM UPC



▶ 12 Core SC OM3 MM



▶ 12 Core FC OM3 MM



▶ 12 Core ST OM3 MM



▶ 12 Core LC OM3 MM

10/100M

► Description

NETLINK Series 10/100M SM Single Fiber Converter is the conversion equipment of Ethernet optical-electronic signals between 10/100M UTP interface (TX) and 100M Fiber interface (FX). The traditional 10/100M Fast Ethernet can be extended to the distance of 90km through Single Optical Fiber link. The performance and quality of the products are excellent because of adopting latest IC from Taiwan. It must be used in couples, because the transmitted optical differs from the receive optical in wavelength. 6 Group LED indicated lights could fully monitor the working conditions of Converters. It is easy for end-users to observe the conditions of network. The Series product with reasonable price is especially designed for network end-users.

► Characteristics

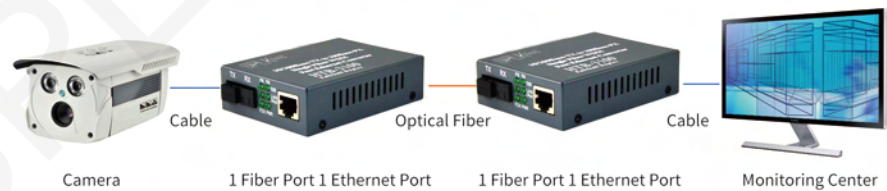
- Complies with IEEE 802.3 10 Base-T standard.
- Complies with IEEE 802.3u 10/100 Base-TX/FX standard
- Complies with IEEE 802.3X standard
- 10/100/ Mbps port with full/half duplex auto-negotiation
- Back pressure flow control for full duplex
- Twisted-pair connector: NODE/HUB or SWITCH (5 class UTP)
- Back pressure flow control for full/half duplex IEEE802.3X
- Automatic identification of MDI/MDI-X cross-line
- High-performance 155Mbps memory bandwidth
- Complies with FCC, 15 CLASS A, RoHS and CE MARK



Product Display

► Applications

- Optical fiber communications systems
- Optical fiber access network
- Optical fiber CATV
- Optical fiber test equipments
- Optical fiber data communications
- LAN



► Technical Parameters

Fiber Features:(the fiber optic connectors usually is SC, can order ST or FC)

Type	TX wavelength (nm)	TX power (dBm)	Distance (km)	Lose (dBm/Km)	Allowable loss (dBm)	Band Width	
						RJ 45 Port	Optical Port
Multi-mode	850	-19.5~-16	0~2	3	12	10/100Mbps	155Mbps
	1310	-19.5~-16	0~3	1	12	10/100Mbps	155Mbps
Single-mode	1310	-12~-7	0~20	0.5	16	10/100Mbps	155Mbps
	1310	-8~-5	0~40	0.5	20	10/100Mbps	155Mbps
	1310	-6~-2	0~60	0.25	25	10/100Mbps	155Mbps
	1550	-5~0	0~100	0.25	26	10/100Mbps	155Mbps

Transport/Storage/Operating Temperature: -30°C~+75 °C

10/100M



▶ 1 Fiber Port 1 Ethernet Port
SM/Single Fiber/SC



▶ 1 Fiber Port 1 Ethernet Port
MM/Single Fiber/SC



▶ 1 Fiber Port 1 Ethernet Port
SM/Single Fiber/SC/External power input



▶ 1 Fiber Port 1 Ethernet Port
SM/Dual Fiber/SC



▶ 1 Fiber Port 1 Ethernet Port
MM/Dual Fiber/SC



▶ 1 Fiber Port 1 Ethernet Port
SM/Single Fiber/FC



▶ 1 Fiber Port 2 Ethernet Port
SM/Single Fiber/SC



▶ 1 Fiber Port 4 Ethernet Port
SM/Single Fiber/SC



▶ 1 Fiber Port 8 Ethernet Port
SM/Single Fiber/SC



▶ 1 Fiber Port 2 Ethernet Port
SM/Dual Fiber/SC



▶ 1 Fiber Port 4 Ethernet Port
SM/Dual Fiber/SC



▶ 1 Fiber Port 8 Ethernet Port
SM/Dual Fiber/SC

ENHANCED 10/100M



▶ 1 Fiber Port 1 Ethernet Port
SM/Single Fiber/SC



▶ 1 Fiber Port 1 Ethernet Port
MM/Single Fiber/SC



▶ 1 Fiber Port 1 Ethernet Port
SM/Single Fiber/FC



▶ 1 Fiber Port 1 Ethernet Port
SM/Dual Fiber/SC



▶ 1 Fiber Port 4 Ethernet Port
SM/Single Fiber/SC



▶ 1 Fiber Port 8 Ethernet Port
SM/Single Fiber/SC



▶ 1 Fiber Port 1 Ethernet Port
MM/Dual Fiber/SC



▶ 1 Fiber Port 4 Ethernet Port
SM/Dual Fiber/SC



▶ 1 Fiber Port 8 Ethernet Port
SM/Dual Fiber/SC

INDUSTRIAL GRADE 10/100M



- 1 Fiber Port 1 Ethernet Port
SM/Single Fiber/SC



- 1 Fiber Port 1 Ethernet Port
SM/Dual Fiber/SC



- 1 Fiber Port 1 Ethernet Port
MM/Dual Fiber/SC



- 1 Fiber Port 4 Ethernet Port
+1 Fiber Port 1 Ethernet Port



- 1 Fiber Port 4 Ethernet Port
SM/Single Fiber/SC



- 1 Fiber Port 4 Ethernet Port
SM/Dual Fiber/SC



- 1 Fiber Port 8 Ethernet Port
+1 Fiber Port 1 Ethernet Port



- 1 Fiber Port 8 Ethernet Port
SM/Single Fiber/SC



- 1 Fiber Port 8 Ethernet Port
SM/Dual Fiber/SC

10/100/1000M

Description

Gigabit Fiber Media Converter with 10/100/1000M single mode Single Fiber Converter is the conversion equipment of Ethernet optical-electronic signals between 10/100/1000M UTP interface (TX) and 1000M Fiber interface (FX). The traditional 10/100/1000M Ethernet can be extended to the distance of 100km through Single Optical Fiber link. The performance and quality of the products are excellent because of adopting latest IC from Taiwan. It must be used in couples, because the transmitted optical differs from the receive optical in wavelength. 6 Group LED indicated lights could fully monitor the working conditions of Converters. It is easy for end-users to observe the conditions of network. The Series product with reasonable price is especially designed for network end-users. There are also many other advantages such as isolation protection, good data security, working stability and easy maintenance.

Characteristics

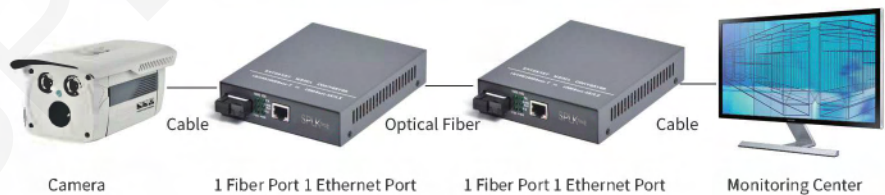
- Support the switch between 1000Base-T and 1000Base-SX/LX
- 1*1.25Gbps full-duplex fiber port and 1*1000M Ethernet port
- Each port has the complete LED Indicator light for installation, commissioning and maintenance
- Support 9K Jumbo Packet
- Support direct forwarding mode, which support less time delay
- Low power consumption, only 1.5W in full load condition
- Support isolation protection function, good data security
- Small size, suitable for installation in various places
- Auto-negotiation low power consumption chips to ensure very longtime and stable operation



Product Display

Applications

- Optical fiber communications systems
- Optical fiber access network
- Optical fiber CATV
- Optical fiber test equipments
- Optical fiber data communications
- LAN



Technical Parameters

Fiber Features:(the fiber optic connectors usually is SC, can order ST or FC)

Type	TX wavelength (nm)	TX power (dBm)	Distance (km)	LED	Optical receiving sensitive(dBm)	Band Width	
						RJ 45 Port	Optical Port
Multi-mode	850/1310	-19.5~-16	0~5	Power,Link/Act, TX 100,10, FDX, Link/Act	≤-24	10/100/1000Mbps	1.25Gbps SC/ST/FC Optional
Single-mode	1310/1550	-12~-7	20/40/60/80				

Transport/Storage/Operating Temperature: -30°C~+75 °C

10/100/1000M



▶ 1 Fiber Port 1 Ethernet Port
SM(MM)/Single Fiber/SC



▶ 1 Fiber Port 1 Ethernet Port
SM(MM)/Single Fiber/SC/inside power input



▶ 1 Fiber Port 1 Ethernet Port
SM(MM)/Dual Fiber/SC/inside power input



▶ 1 Fiber Port 1 Ethernet Port
SM(MM)/Dual Fiber/SC



▶ 1 Fiber Port 4 Ethernet Port
SM/Single Fiber/SC



▶ 1 Fiber Port 4 Ethernet Port
SM/Dual Fiber/SC



▶ 1 Fiber Port 8 Ethernet Port
SM/Single Fiber/SC



▶ 1 Fiber Port 8 Ethernet Port
SM/Dual Fiber/SC



▶ 2 Fiber Port 4 Ethernet Port
SM/Single Fiber/SC



▶ 2 Fiber Port 8 Ethernet Port
SM/Single Fibe/SC



▶ 8 Fiber Port 2 Ethernet Port
SM/Single Fibe/SC



▶ 16 Fiber Port 2 Ethernet Port
SM/Single Fibe/SC

ENHANCED 10/100/1000M



▶ 1 Fiber Port 1 Ethernet Port SM(MM)/Single Fiber/SC



▶ 1 Fiber Port 1 Ethernet Port SM/Single Fiber/FC



▶ 1 Fiber Port 1 Ethernet Port SM/Dual Fiber/SC



▶ 1 Fiber Port 1 Ethernet Port MM/Dual Fiber/SC



▶ 1 Fiber Port 4 Ethernet Port SM/Single Fiber/SC



▶ 1 Fiber Port 4 Ethernet Port SM/Dual Fiber/SC



▶ 1 Fiber Port 1 Ethernet Port SM(MM)/Single Fiber/SC



▶ 1 Fiber Port 1 Ethernet Port SM(MM)/Single Fiber/SC

INDUSTRIAL GRADE 10/100/1000M



▶ 1 Fiber Port 1 Ethernet Port
SM/Single Fiber/SC



▶ 1 Fiber Port 1 Ethernet Port
SM/Dual Fiber/SC



▶ 1 Fiber Port 1 Ethernet Port
MM/Dual Fiber/SC



▶ 1 Fiber Port 4 Ethernet Port
+1 Fiber Port 1 Ethernet Port



▶ 1 Fiber Port 4 Ethernet Port
SM/Single Fiber/SC



▶ 1 Fiber Port 4 Ethernet Port
SM/Dual Fiber/SC



▶ 1 Fiber Port 8 Ethernet Port
+1 Fiber Port 1 Ethernet Port



▶ 1 Fiber Port 8 Ethernet Port
SM/Single Fiber/SC



▶ 1 Fiber Port 8 Ethernet Port
SM/Dual Fiber/SC

FIBER OPTIC RACKMOUNT MEDIA CONVERTER

Description

14/16-slots chassis is a highly integrated media converter Center equipment,2U high 19inch,can put 14/16pcs multimode/singlemode fiber media converter in one Chassis,unified power supply. It will not only reduce the connection cable, simple structure,easy to manage and maintain.This series Chassis support hot plug,you can select single power supply or dual power supply to support the power source. Adopt dual power supply support power source at the same time can reduce the burthen of the power supply.When there have one power supply damaged,the other power supply can be support the power source with independent.No need take out the chassis from the cabinet,you can take out the damaged power supply from the chassis and replace it easily. Provide high reliability, efficiency, ease of operation, easy maintenance and economical centre of optical networking solutions for network system.

Characteristics

- Support 2pcs independent hot plug power modules.
- Support 14/16pcs slots for independent media converter
- Built-in 2pcs high capability fans,to advance chassis airness and cooling.
- Completely status LED indicator,easy to install and maintain.
- Good configuration with anti-static,lightning and electromagnetic compatibility.

Applications

- 14 slots are suitable for stand-alone media converter
- 16 slots are suitable for card-type media converter



Classic style 14 slots



Classic style 16 slots



Industrial Grade 14 slots



Industrial Grade 16 slots

Technical Parameters

Slots Insert	Structure	Shell	Install Media Converter	Power input	Power Output	Ripple	LED indication
14	2U rack	Thickened Stainless Steel	stand-alone media converter	AC 100-250V 50-60Hz	DC+5V	≤20mv	POWER (power supply)
16	2U rack	Thickened Stainless Steel	card-type media converter	AC 100-250V 50-60Hz	DC+5V	≤20mv	POWER (power supply)

Transport/Storage/Operating Temperature: -30°C~+75 °C

CARD-TYPE MEDIA CONVERTER SERIES

Description

Card Type Ethernet Media Converters are designed to transmit and receive data over optical fiber. It can be used as a slide-in module to 19-inch 16-slot media converter chassis. These media chassis can assist in producing the power for the Card Type Ethernet Media Converters to maintain the fiber-optic network at one location. As the Gigabit Media Converter fully complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-LX/SX, the Gigabit media conversion installation is quite quick and easy with its plug and play feature.

Characteristics

- Supports mutual conversion between 100Base-TX and 100Base-FX;
- 1 full-duplex 155Mbps optical port and 1 100Mbps electrical port;
- All optical/electrical ports have connection/activity status indicators to facilitate installation, commissioning and maintenance of the equipment;
- The power is only 1.5W when working at full load;
- With isolation protection, data security performance is good;
- Easy to use, plug and play, no need for any settings;
- Small size, suitable for installation in various places;
- The low-power chip uses low heat and can work stably for a long time.

Applications

- Optical fiber communications systems
- Optical fiber access network
- Optical fiber CATV
- Optical fiber test equipments
- Optical fiber data communications
- LAN

Fiber Features:(the fiber optic connectors usually is SC, can order ST or FC)



10/100M/1 Fiber Port 1 Ethernet Port
SM/Single Fiber/SC/A/B



10/100M/1 Fiber Port 1 Ethernet Port
SM(MM)/Dual Fiber/SC



10/100/1000M/1 Fiber Port 1 Ethernet Port
SM/Single Fiber/SC/A/B



10/100/1000M/1 Fiber Port 1 Ethernet Port
SM(MM)/Dual Fiber/SC

FIBER OPTICAL VIDEO TRANSCEIVER

Description

1~32 channels digital video multiplexer adopt the advanced international digital video and optical fiber transmission technology. It can transmit 1~32 channels video signal via 1 fiber cable real-time, synchronously, no-distortion and high quality .1~32 channels digital Video Multiplexer adopt the full digital video non-compression transmission technology and it's high quality video effect can meet the user's requirement. Easy installation and no need locale adjusting. Its optical module and core circuit adopt the imported components which is high stability and applied to the different operation environment. All optical interface and electrical interfaces conform to the international standards. This video optical multiplexerwith video status indication which can monitor it's operation status.This digital video optical multiplexer adopts modularization design. User can flexibly select or customize the configuration according to the locale conditions. Desktop version and rack mounting available.

Characteristics

- 1-32-bit digitally encoded and non-compression broadcast quality video transmission
- Directly compatible with NTSC, PAL, and SECAM CCTV camera systems
- Support any high-resolution video signal
- Automatic compatible PAL, NTSC and SECAM video system
- Power supply and other parameter state indication, which can monitor the operation condition of system
- Support no-damage regenerative trunk of video
- Constant input optical power, and large dynamic range, no Electrical or Optical Adjustments Required .
- Special ASIC design.
- Industry-grade of operating temperature from -40°Cto 85°C, which is applied to the different working environment
- Hot-swap function
- Stand-alone type or card-type installed in 19" 2U or 4U rack-mount chassis.

Applications

- Urban Intelligent Transport System (ITS)
- Highway monitoring and communication system
- Electricity and hydraulic power security monitoring system
- Mining security monitoring system
- Long distance multimedia schooling, campus monitoring
- Long distance broadcasting and television transmission system
- Building management system (BMS)
- Military communication



8 Channel Fiber Optical video Transceiver without Reverse Data



1 Channel Fiber Optical video Transceiver without Reverse Data



2 Channel Fiber Optical video Transceiver without Reverse Data



4 Channel Fiber Optical video Transceiver without Reverse Data

▶ Technical Parameters

Fiber Features:(the fiber optic connectors usually is FC, can order SC or ST)

Feature	Description	Parameter
Optical	Fiber Type	Multi-mode fiber or Single mode fiber
	Fiber Connector	FC/ST/SC
	Distance	0~80km (Optional)
	Wavelength	Transmitter :Tx1310nm, Rx1550nm. Receiver:Tx1550nm,Rx1310nm.
Tx	Input level	>500mVp-p
	self-adaption cable equilibrium	1080p:75-5 coaxial cable,300m 720p:75-5 coaxial cable,500m
	Input/Output Impedance	75Ω
	Physical Interface	1/2/4/8/16/32 channel BNC connector
	Output level	1Vp-p
Rx	Input/Output Impedance	75Ω
	Physical Interface	1/2/4/8/16/32 channel BNC connector
	Transmission Media	Coaxial cable
Data	Baud Rate	1200~9600bit/s
	Bit Error Rate	≤10
	Operation Mode	Half-Duplex
	Indicators	LOS,PWR,DATA,VIDEO
	Mean time between failures (MTBF)	>100 000 hours
	EPS	DC5V
	Power Consumption	≤5W
General	Operation Temperature	-40°C~75°C
	Operation Humidity	10%~90%
	Atmospheric Pressure	86kpa~106kpa
	Mounting Method	Wall-mounted



16 Channel Fiber Optical video Transceiver
without Reverse Data



16 Channel Fiber Optical video Transceiver
without Reverse Data



32 Channel Fiber Optical video Transceiver
without Reverse Data

VIDEO CONVERTER WITH 1CH REVERSE RS485 DATA

Description

1~32 channels video converter with 1CH reverse RS485 data adopt the advanced international digital video and optical fiber transmission technology. It can transmit 1~32 channels video signal via 1 fiber cable real-time, synchronously, no-distortion and high quality .1~32 channels digital Video Multiplexer adopt the full digital video non-compression transmission technology and it's high quality video effect can meet the user' s requirement. Easy installation and no need locale adjusting. Its optical module and core circuit adopt the imported components which is high stability and applied to the different operation environment. All optical interface and electrical interfaces conform to the international standards. This video optical multiplexer with video status indication which can monitor it's operation status.This digital video optical multiplexer adopts modularization design. User can flexibly select or customize the configuration according to the locale conditions. Desktop version and rack mounting available.

Characteristics

- 1-32-bit digitally encoded and non-compression broadcast quality video transmission
- Directly compatible with NTSC, PAL, and SECAM CCTV camera systems and support RS-232, RS-422, and RS-485 data protocols
- Support any high-resolution video signal
- Automatic compatible PAL, NTSC and SECAM video system
- Power supply and other parameter state indication, which can monitor the operation condition of system
- Support no-damage regenerative trunk of video
- Constant input optical power, and large dynamic range, no Electrical or Optical Adjustments Required .
- Special ASIC design.
- Industry-grade of operating temperature from -40°Cto 85°C, which is applied to the different working environment
- Hot-swap function
- Stand-alone type or card-type installed in 19" 2U or 4U rack-mount chassis.

Applications

- Urban Intelligent Transport System (ITS)
- Highway monitoring and communication system
- Electricity and hydraulic power security monitoring system
- Mining security monitoring system
- Long distance multimedia schooling, campus monitoring
- Long distance broadcasting and television transmission system
- Building management system (BMS)
- Military communication



8 Channel Fiber Optical video Transceiver with 1CH RS485 Reverse Data



1 Channel Fiber Optical video Transceiver with 1CH RS485 Reverse Data



2 Channel Fiber Optical video Transceiver with 1CH RS485 Reverse Data



4 Channel Fiber Optical video Transceiver with 1CH RS485 Reverse Data

▶ Technical Parameters

Fiber Features:(the fiber optic connectors usually is FC, can order SC or ST)

Feature	Description	Parameter
Optical	Fiber Type	Multi-mode fiber or Single mode fiber
	Fiber Connector	FC/ST/SC
	Distance	0~80km (Optional)
	Wavelength	Transmitter :Tx1310nm, Rx1550nm. Receiver:Tx1550nm,Rx1310nm.
Tx	Input level	>500mVp-p
	self-adaption cable equilibrium	1080p:75-5 coaxial cable,300m 720p:75-5 coaxial cable,500m
	Input/Output Impedance	75Ω
	Physical Interface	1/2/4/8/16/32 channel BNC connector
Rx	Output level	1Vp-p
	Input/Output Impedance	75Ω
	Physical Interface	1/2/4/8/16/32 channel BNC connector
Data	Transmission Media	Coaxial cable
	Physical connector	Phoenix contact(DATA)
	Data connector	RS-485/422,RS232
	Channels of data	forward and reverse path data multi-channels
	Baud Rate	1200~9600bit/s
	Bit Error Rate	≤10
	Operation Mode	Half-Duplex
	Indicators	LOS,PWR,DATA,VIDEO
	Mean time between failures (MTBF)	>100 000 hours
	EPS	DC5V
General	Power Consumption	≤5W
	Operation Temperature	-40°C~75°C
	Operation Humidity	10%~90%
	Atmospheric Pressure	86kpa~106kpa
Mounting Method	Wall-mounted	



16 Channel Fiber Optical video Transceiver with 1CH RS485 Reverse Data



16 Channel Fiber Optical video Transceiver without Reverse Data



32 Channel Fiber Optical video Transceiver without Reverse Data

HDMI

Description

HDMI TO FIBER CONVERTER ,HDMI TO FIBER EXTENDER includes a transmitter and a receiver, which can extend HDMI ,RS232 and IR signal to a remote location over single fiber cable. Through the cascade or star type optical fiber cabling, the realization of a signal source transmitting, receiving a large screen display. The cascaded mode between each node only through the 1 optical fiber connection, reduce the complexity of the proposal, to reduce the difficulty of construction, unlimited number of nodes cascade, the transmission distance can be up to 0-100 km, there is no transmission distance problem using splitter solution on the market. Compact size, low power consumption (<3W), can work stably at 75 °C high temperature environment. Very suitable for application and subway station, airport, station, gymnasium.HDMI TO FIBER CONVERTER support DVI/HDMI video and audio transmission at real-time, max resolution support can reach 1920*1080 @ 60Hz, max distance 2KM (MM fiber cable)/ 100KM(SM fiber cable).

Characteristics

- Transmits HDMI video and audio signals up to 20km over one fiber optic cable;
- Support video resolution up to 1920*1080P@60Hz
- Support TCP/IP;
- Compliance with HDMI 1.3 and HDCP 1.2 standard;
- High compatibility, can auto-match source and display device;
- Built-in automatic adjustment system, make the image smooth, clear and stable;
- No need any drive.

Applications

- City traffic monitoring system
- Public security, safe city monitoring system
- Highway security protection, charging system
- Building, campus monitoring net
- Industrial monitoring (airport, chemical industrial, steel, oil, railway, water conservancy, mine, etc)
- Military monitoring (storehouse, frontier defense, guard, nation defense, etc)
- electric power, oilfield, television program transmission system
- Gymnasium (live video, audio transmission)



HDMI Audio Video Converter



HDMI Audio Video Converter



HDMI Audio Video Converter



HDMI Audio Video Converter



HDMI Audio Video Converter

VGA

Description

HD VGA Digital Optical is a transmission on a single fiber, Audio signal fiber optic transmission products, mainframe computer audio, VGA interfaces extend through the optical fiber to the distal end, the user can listen to the host computer in real time images and sound at the distal end. Support VGA high definition audio and video real time transmission, a maximum resolution of 1080P / 60HZ, the maximum transmission distance up to 20KM, widely used in military command and control, traffic police traffic management, energy and electricity supply industries, government departments, medical systems, trade shows, multimedia function rooms, public utilities and other fields.

Characteristics

- Support Independent analog audio
- Support local VGA loop-through
- Support forward R232 communication
- Compliance with the VGA standard protocol
- Single / multi-mode fiber transmission
- Automatic identification and configure various display modes
- All-digital, uncompressed, high-definition optical transmission
- The highest resolution to 1080P @ 60, and compatible with downward resolution

Applications

- Remote OB Van/Truck Video Feeds
- Broadcast Studio Camera Feeds
- Long-haul Signal Transport
- TV station/video conference
- Lecture Hall Projector Connectivity
- Medical/Surgical Room Broadcast
- Small corporate campus video links
- Building to Building video conference calling



VGA+USB+AUDIO+FC



VGA+AUDIO+FC



VGA+RS232+AUDIO +FC



VGA+AUDIO+SC



VGA+USB+AUDIO+SC



VGA+USB+RJ45+AUDIO+SC

DVI

► Description

DVI Optical Fiber Converter is a extender device of high-definition video transmission use fiber optic, just need a single fiber to transmit 1080p signal over long distances, it support audio transmission; This product is ideal for large-screen display, conferencing systems and home entertainment and so on. The device has the ability of anti-interference, to ensure the stability of the signal.

► Characteristics

- Long-distance transmission of DVI, audio, RS-232 signals via a single optical fiber.
- All-digital, uncompressed, high-definition optical fiber transmission.
- HDCP Unvarnished Transmission, EDID Unvarnished Transmission
- The sender supports DVI audio transmission and independent stereo transmission.
- The receiver DVI can take the audio output and a separate stereo output.
- Supports 1080p 60Hz, single-mode fiber transmission up to 1 km.
- Real-time transmission of high-definition uncompressed DVI digital video signal, the video is clear and stable
- Support for serial Unvarnished Transmission, baud rate can adapted by itself.
- Built-in ESD protection circuitry, can effectively prevent electrostatic damage
- Site installation: easy, plug and play, no need to set

► Applications

- Digital Signage
- LED signboards in streets and in stadiums
- Medical Imaging Equipment
- Airplane On-board Video System
- Conference Room Video Equipment
- Remote monitor for traffic, industrial, military control
- LCD, Projector, Plasma display connection
- Large video wall system
- TV Broadcast Station
- Home Theater



► DVI Fiber Optic Converter+AUDIO



► DVI Fiber Optic Converter+USB+AUDIO



► DVI Fiber Optic Converter+RS232+AUDIO

RS232/485/422

Description

Serial to Fiber Converter, or Fiber Optic Modem, is a device used in optical network communications for sending and receiving data. It allows data to be transmitted and converts electrical signals to light. Serial to fiber converters can provides transmission distance up to 2 km over multimode fiber and up to 60 km over single mode fiber. Powerlink's serial to fiber converters are available in several types depending upon the protocol selected, including RS-232 to Fiber Converter, RS-485 to Fiber Converter, RS-422 to Fiber Converter, RS-485/422 to Fiber Converter, and RS-485/422/432 to Fiber Converter. Our serial to fiber converters have a higher bandwidth and greater electromagnetic immunity than wire-based modems. it's an industrial grade bi-directional externally powered converter which converts a standard simplex RS-485 serial signal to a Single-mode SC or FC connector type fiber optic link. A data direction auto-turnaround feature automatically enables the RS-485 transmit and receive data signals when data is present, avoiding the need for software drivers, and making the device fully plug-and-play.

Characteristics

- Adaptive single mode fiber
- Zero delay automatic forwarding
- Asynchronous transmission, point-to-multipoint operation, RS232/RS422/RS485 interface and fiber conversion
- Automatically detect serial port rate, identify and control data transmission direction
- Interface provides 1500W surge protection, 15KV static protection
- Single mode reaches 20-120 km
- RS-485 supports 32-point polling (can be customized 128 points)
- Robust metal casing ;Thunder-proof solution
- Without EMI, RFI and ground loop
- Optical interface: FC, ST, SC(optional)

Applications

- Digital Signage
- LED signboards in streets and in stadiums
- Medical Imaging Equipment
- Airplane On-board Video System
- Conference Room Video Equipment
- Remote monitor for traffic, industrial, military control
- LCD, Projector, Plasma display connection
- Large video wall system
- TV Broadcast Station
- Home Theater



▶ RS485 Data Fiber Optic Converter



▶ RS485/422/232 Data Fiber Optic Converter



▶ RS232 Data Fiber Optic Converter



▶ 4 Channel Bidirectional Data RS485 To Fiber Optic Converter



▶ 8 Channel Bidirectional Data RS485 To Fiber Optic Converter

TELEPHONE FIBER OPTICAL TRANSCEIVER

► Description

The products 1-48-bit digital sampling technology and full-digital optical transmission channel are adopted to ensure the high quality of signal transmission. On the panel there are power light and optical signal indicator, which can help test power source and optical signal status intuitively. Super-large scale integrated circuit and concise appearance design is adopted for this equipment, so that it is easy to install and debug, maintenance free, and stable in performance. Telephone signal can be directly transmitted in an optical cable, to help solve the problem of telephone transmission faced by edge customers. The dedicated digital multiple-connection chip in this device is functionally powerful, which integrates almost all the digital logical functions of the device to significantly improve product performance and reduce cost. The entire equipment is excellent in performance, stable and reliable in work, low-dissipation, high-integration, small in size, and easy to install; optical telephone transceiver is a high-performance long-distance optical transmission device.

► Characteristics

- Each provided 1-48 channels telephone interface (standard configuration)
- Telephone interface(RJ11 crystal head can line)
- Traditional PSTN Mandarin sound, each voice channel occupies a 64 K, support caller
- Small size, attractive appearance, easy installation
- Improve the status display function, easy maintenance and management
- Structure size desktop(or wall)

► Applications

- Intelligent transportation supervisory system(ITS)
- High-speed Way supervisory/Tele-Communication System
- Security protection system, TV medical treatment
- Long-distance Multi-media Schooling, Campus monitoring
- Long-distance broadcast television transmission system
- High-building Security Protection, Military Tele-Com projects

► Technical Parameters

FXS (telephone interface)	Ring voltage	75V
	Ring frequency	25HZ
	Second-line input impedance	600Ω (off-hook)
	Return loss	40 dB
FXO (PBX Interface)	Ring detection voltage	35V
	Ring detection frequency	17HZ-60HZ
	Second-line input impedance	600Ω (off-hook)
	Return loss	40 dB
Optical interface:	Fiber interface	FC / SC
	Fiber types	single-fiber single-mode
	Transmission distance	General 20KM
	Light emission wavelength	1310/1550nm
Environmental conditions:	Working temperature	-25 °C - +65 °C
	Storage temperature	-35 °C - +75 °C
	Operating humidity	0-95% (non-condensing)

TELEPHONE FIBER OPTICAL TRANSCEIVER



▶ 1 Channel telephone fiber optic media converter



▶ 2 Channel telephone fiber optic media converter



▶ 4 Channel telephone fiber optic media converter



▶ 8 Channel telephone fiber optic media converter



▶ 16 Channel telephone fiber optic media converter



▶ 32 Channel telephone fiber optic media converter



▶ 48 Channel telephone fiber optic media converter

INDUSTRIAL GRADE



▶ 1 Channel telephone fiber optic media converter



▶ 2 Channel telephone fiber optic media converter



▶ 4 Channel telephone fiber optic media converter



▶ 8 Channel telephone fiber optic media converter



▶ 16 Channel telephone fiber optic media converter



▶ 32 Channel telephone fiber optic media converter

TELEPHONE FIBER OPTICAL TRANSCEIVER+ 1/2RJ45

► Description

The 1-32ch telephone to fiber media converter transmits 1-32 port telephones and 1ch 100M Ethernet signals to 1~120KM through a single-mode optical fiber, meeting the needs of users for a large number of telephone transmissions, to help solve the problem of telephone transmission faced by edge customers. The dedicated digital multiple-connection chip in this device is functionally powerful, which integrates almost all the digital logical functions of the device to significantly improve product performance and reduce cost. The entire equipment is excellent in performance, stable and reliable in work, low-dissipation, high-integration, small in size, and easy to install; optical telephone transceiver is a high-performance long-distance optical transmission device.

► Characteristics

- Each provided 1-48 channels telephone interface (standard configuration)
- Optional 1-channels/2-channels 10/100M Ethernet interface (optional)
- Telephone interface(RJ11 crystal head can line)
- Traditional PSTN Mandarin sound, each voice channel occupies a 64 K, support caller
- Small size, attractive appearance, easy installation
- Improve the status display function, easy maintenance and management
- Structure size desktop(or wall)

► Applications

- Intelligent transportation supervisory system(ITS)
- High-speed Way supervisory/Tele-Communication System
- Security protection system, TV medical treatment
- Long-distance Multi-media Schooling, Campus monitoring
- Long-distance broadcast television transmission system
- High-building Security Protection, Military Tele-Com projects

► Technical Parameters

FXS (telephone interface)	Ring voltage	75V
	Ring frequency	25HZ
	Second-line input impedance	600Ω (off-hook)
	Return loss	40 dB
Ethernet	Work mode	Full duplex/half duplex
	Data Rate	RJ45, 10/100Mbps
	Standard	IEEE802.3 10Base IEEE802.3u 100Base
	Transmission Mode	Store and Forward
FXO (PBX Interface)	Ring detection voltage	35V
	Ring detection frequency	17HZ-60HZ
	Second-line input impedance	600Ω (off-hook)
	Return loss	40 dB
Optical interface:	Fiber interface	FC / SC
	Fiber types	single-fiber single-mode
	Transmission distance	General 20KM
	Light emission wavelength	1310/1550nm
Environmental conditions:	Working temperature	-25 °C - +65 °C
	Operating humidity	0-95% (non-condensing)

TELEPHONE FIBER OPTICAL TRANSCEIVER+ 1/2 RJ45



▶ 1 Channel telephone + 1 RJ45 fiber optic media converter



▶ 2 Channel telephone + 1 RJ45 fiber optic media converter



▶ 4 Channel telephone + 1 RJ45 fiber optic media converter



▶ 8 Channel telephone + 1 RJ45 fiber optic media converter



▶ 1/2/4/8 Channel telephone + 2 RJ45 fiber optic media converter



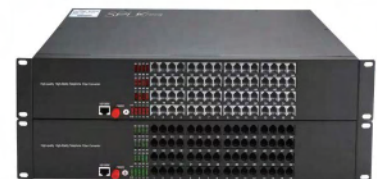
▶ 16 Channel telephone + 1/2 RJ45 fiber optic media converter



▶ 32 Channel telephone + 1/2 RJ45 fiber optic media converter



▶ 48 Channel telephone + 1/2 RJ45 fiber optic media converter



▶ 64 Channel telephone + 1/2 RJ45 fiber optic media converter

INDUSTRIAL GRADE



▶ 1 Channel telephone + 1 RJ45 fiber optic media converter



▶ 2 Channel telephone + 1 RJ45 fiber optic media converter



▶ 4 Channel telephone + 1 RJ45 fiber optic media converter



▶ 8 Channel telephone + 1 RJ45 fiber optic media converter



▶ 16 Channel telephone + 1 RJ45 fiber optic media converter



▶ 32 Channel telephone + 1 RJ45 fiber optic media converter

PLUG-IN TYPE



▶ 1x2 PLC Splitters



▶ 1x4 PLC Splitters



▶ 1x8 PLC Splitters



▶ 1x16 PLC Splitters



▶ 1x32 PLC Splitters

PIGTAIL TYPE



▶ 1x2 SC PLC Splitters



▶ 1x4 SC PLC Splitters



▶ 1x8 SC PLC Splitters



▶ 1x16 SC PLC Splitters



▶ 1x2 FC PLC Splitters



▶ 1x4 FC PLC Splitters



▶ 1x8 FC PLC Splitters



▶ 1x16 FC PLC Splitters



▶ 1x32 SC/FC PLC Splitters

SC/FC/ST/LC/MPO

Description

Fiber optic adapter is also called fiber optic coupler. It contains the interconnect sleeve, that holds the two ferrules together. It is used to provide a cable to cable fiber connection. The product is very variety, including FC, SC, ST, LC, MPO, MTRJ, as well as carry out the transfer between each other such as: ST-SC, FC-ST, it's widely used in optical distribution frame (ODF), fiber-optic communications equipment, instrumentation, the feature is stable and reliable.

Characteristics

- Push-and-pull bayonet structure, convenient for installation and operation.
- Double the capacity, perfect space saving solution
- Small size, large capacity
- High return loss, Low insertion loss Split zirconia (ceramic) ferrule is adopted.
- Used to mate two connectors together.
- Usually mounted in a distribution panel or wall box.
- Color coded, allowing easy identification of the adapter type.
- Available with single-fiber & multi-fiber patch cords and pigtailed.
- The adapters are available for all standard connector types in both SM and MM

Applications

- CATV
- Telecommunication networks
- Test equipment
- Local Area Networks (LANs)
- Data processing networks

Technical Parameters

Type	Fiber Type	Insertion Loss (dB)			Return Loss (dB)			Exchangeability (dB)	Repeatability (dB)	Durability (Time)
		PC	UPC	APC	PC	UPC	APC			
SC/FC/ST/LC/MU/MT-RJ	SM or MM/OM1/OM2/OM3/OM4	≤0.2	≤0.2	≤0.2	≥45	≥50	≥60	≤0.2	≤0.2	>1000

Transport/Storage/Operating Temperature: -40°C ~ +85 °C



SC-SC PC/UPCAPC SM/MM Simplex



SC-SC PC/UPCAPC SM/MM Duplex



FC-FC PC/UPCAPC SM/MM



FC-FC PC/UPCAPC SM/MM



ST-ST PC/UPCAPC SM/MM



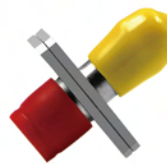
LC-LC PC/UPCAPC SM/MM Simplex



LC-LC PC/UPCAPC SM/MM Duplex



SC-FC PC/UPCAPC SM/MM



FC-ST PC/UPCAPC SM/MM



MPO PC/UPCAPC SM/MM

SC/FC

► Description

Fiber Optic Fast Connector make fiber terminations quick, easy and reliable. These fiber optic connectors offer terminations without any hassles and require no epoxy, no polishing, no splicing, no heating and can achieve similar excellent transmission parameters as standard polishing and splicing technology. Mechanical Field-Mountable Fiber Optic Connector (FMC) is designed to simple the connection without fusion splicing machine. This connector is quick assembly which requires only normal fiber preparation tools: cable stripping tool and fiber cleaver. The connector adopts Fiber Pre-Embedded Tech with superior ceramic ferrule and aluminum alloy V-groove. Also, transparent design of the side cover which allows visual inspection.

► Characteristics

- Factory-installed fiber stub.
- No epoxy and polishing required, No special tools needed when installed.
- Allows up to three re-termination result.
- Easily installed, Quick and easy fiber termination in the field.
- Only 30 seconds needed to learn the process of installation and making.
- Cost effective, Warranty: One year.
- Can be made on-site without splicing connectors.
- Eliminates cable excess length and pigtail splice storage.
- Can be intalled and maked repeatedly thus avoiding loss.

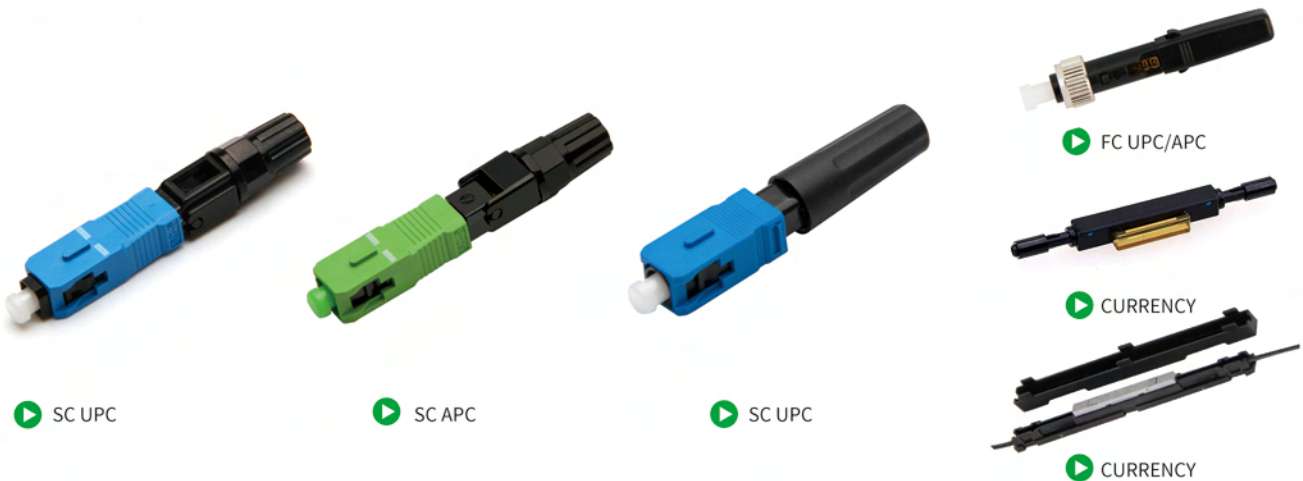
► Applications

- Patch panels
- Distribution frames
- Maintenance or emergency restoration of fiber networks
- FTTH Outlets
- Connection at the desk for LAN environments
- Fiber Optic Patch Cord & Pigtail
- Telecommunication Devices
- Data Communications Networks
- Optical Fiber LAN and Access Network
- Industry and Military Applications

► Technical Parameters

Type	Fiber Type	Insertion Loss (dB)		Return Loss(dB)		joint endurance	Material of shell	Applications	Fiber Diameter	Tensile Strength
		UPC	APC	UPC	APC					
SC/FC	SM or MM	≤0.2	≤0.2	≥55	≥65	10Times	ABS	2.0/3.0 or FTTH patch cord	125um	>20N

Transport/Storage/Operating Tempeature: -40°C~+85 °C



12/24/48/72/96/144 CORE

Description

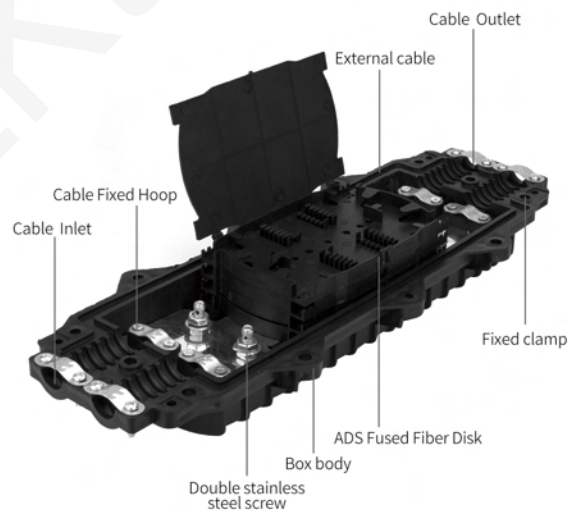
12 24 48 72 96 144 288 core fiber cable joint box Fiber optic splice closure is used for connecting and protecting single core or bunch cables. It can be placed in underground, aerial, wall-mounting, pedestal or direct buried, hand hole-mounting and duct-mounting applications. The external components and fastening parts are all made of stainless steel, it can be reopened and reused without changing sealing material. Our fiber closures can improve the operation of your network communication system. Closure is suitable for the applications up to 96 single fibers, which can cover most of the applications in the long-distance transmission and local fiber distribution networks, like Fiber To The Home.

Characteristics

- For aerial, buried pipes Configurable various annexes;
- Aging resistance: thermal, thermal radiation, air, ozone has a good stability;
- Corrosion resistance: to acid, salt, oxidants, aliphatic hydrocarbons, which are strong anti-resistance;
- Sealing Technology: Using reusable open-type seal assembly or self-adhesive rubber parts, in order to ensure good airtight waterproof performance;
- Mechanical properties: the ability to endure the harsh conditions such as vibration, impact, tensile cable distortion and strong temperature changes;
- Locking devices: no special tools, easy to install and repeat the open;

Applications

- CATV system
- Optical fiber communication
- Testing equipment
- FTTX
- Fiber optic network convergence
- Optical fiber access network
- Fiber data transmission
- Optical fiber video transmission
- Fiber multimedia system
- Fiber ethernet
- Photoelectric conversion system



Technical Parameters

Fiber cores	Product Material	Structure	Seals	Insulation resistance	Fiber optic cable	Fire Rating	Voltage withstand strength	Axial Tension
12 to 144 cores	ABS	open structure/ Split Type	Mechanical seal	>2×104MΩ	Single Core or Ribbon cable	UL94 V0 70kpa-106kpa	15KV(DC)	>2000N/1min

Transport/Storage/Operating Temperature: -40°C~+70 °C

12/24/48/72/96/144 CORE



▶ 2-in 2-out 12 core



▶ 2-in 2-out 24/48 core



▶ 3-in 3-out 24/48 core



▶ 4-in 4-out 24/48 core



▶ Dome Type Vertical 2-in 2-out 24-96 core



▶ mini 2-in 2-out 12/24 core



▶ 2-in 2-out 12/24/48 core Thickening



▶ 2-in 2-out 24/48 core Industrial Grade



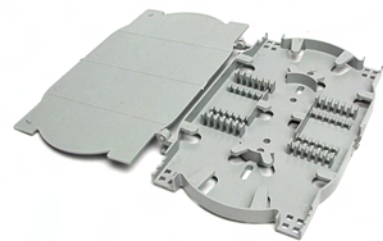
▶ 12 core fiber disc



▶ 3-in 3-out 72/96/144core Thickening



▶ 4-in 4-out 72/96/144core Thickening



▶ 12 core fiber disc Thickening

4/8/12/24/48 PORTS

► Description

Rack mount patch panel is mainly used for connection and storage between optical fiber cable and pigtail in equipment, it can be wall mounted and floor-standing installation. The box body is made of high quality cold rolled steel,electrostatic spraying, the appearance is beautiful, and the operation is convenient. Fiber optic patch panel can install FC SC LC ST adapters, and max capacity can be 4cores, 8 cores, 12 cores, 24 cores, 48 cores, 72 cores or 96 cores on customer request by 1U, 2U, 3U, 4U. Adapter panel can be simplex or duplex, and have ears to install in rack. It is smart design to supply firm protection for optical cable terminal connection and optical fiber adapter installation. It is a combine of termi-nation, protection, connection, management of fiber optic cables.This rack mount patch panel have upper cover, when use, should un-screw the screws top side, then take over the cover then you can manage the cable and fibers inside. Cable come inside from back inlets, and output is adapter outlet.

► Characteristics

- Standard size, light weight and reasonable structure
- Splice tray inside changeable
- Standard size, light in weight and robust structure
- Suitable for ribbon and single fiber
- Various panel plate to fit different adapter interface
- Front mark on the plate is easy for identification and operation
- 4C, 8C,12C, 24C,48C optional, with or without fiber optic pigtails and adapters
- Easy for management and operatio

► Applications

- Telecommunications subscriber loop
- Fiber to the home (FTTH)
- LAN/WAN
- CATV

► Technical Parameters

Fiber Capacity of panel	Panel Connector	Fiber Type	Type	Size(mm)	materials	Thickness (mm)	Color	Atmospheric pressure
4 Port	SC LC ST FC	SM /MM	Fixed	201*110*35	Cold-rolled sheet + Surface electrostatic spraying	0.8/1.2	Black/Blue	70 ~ 106KPa
8 Port	SC LC ST FC	SM /MM	Sliding/Fixed	255*134*40		0.8/1.2	Black/Blue	70 ~ 106KPa
12 Port	SC LC ST FC	SM /MM	Sliding/Fixed	480*220*42		0.8/1.2	Black/Blue	70 ~ 106KPa
24 Port	SC LC ST FC	SM /MM	Sliding/Fixed	480*220*42		0.8/1.2	Black/Blue	70 ~ 106KPa
48 Port	LC	SM /MM	Sliding/Fixed	480*290*45		0.8/1.2	Black/Blue	70 ~ 106KPa

Transport/Storage/Operating Temperature: -40°C~+70 °C

EMPTY BOX



▶ 4 Core SC/FC/ST/LC



▶ 4 Core SC/FC/ST/LC



▶ 8 Core SC/FC/ST/LC



▶ 4 Core SC/FC/ST/LC Universal



▶ 8 Core SC/FC/ST/LC Universal



▶ 4/8/12/24 Core Tail fibre type



▶ 12/24 Core SC Rack type



▶ 12/24 Core FC Rack type



▶ 12/24 Core ST Rack type



▶ 12/24 Core SC Pull-pull type



▶ 12/24 Core FC Pull-pull type



▶ 12/24 Core ST Pull-pull type

FULL MATCH



▶ 4 Core SC



▶ 4 Core FC



▶ 4 Core ST



▶ 4 Core LC



▶ 4 Core SC Thickened



▶ 4 Core FC Thickened



▶ 4 Core ST Thickened



▶ 4 Core LC Thickened



▶ 8 Core SC Thickened



▶ 8 Core FC Thickened



▶ 8 Core ST Thickened



▶ 8 Core LC Thickened



▶ 12 Core SC Thickened



▶ 12 Core FC Thickened



▶ 12 Core ST Thickened

FULL MATCH



▶ 24 Core SC Universal



▶ 24 Core FC Universal



▶ 24 Core ST Universal



▶ 24/48 Core LC Universal



▶ 12 Core SC Pull-pull type Universal



▶ 12 Core SC Pull-pull type Universal



▶ 12/24 Core SC Pull-pull type Universal



▶ 12 Core SC Pull-pull type Universal



▶ 24 Core SC Pull-pull type Universal



▶ 24 Core SC Pull-pull type Universal



▶ 24 Core FC Pull-pull type Universal



▶ 24/48 Core ST Pull-pull type Universal

INDUSTRIAL GRADE EMPTY BOX



▶ 8 Core SC



▶ 8 Core FC



▶ 8 Core ST



▶ 12 Core SC



▶ 12 Core FC/ST



▶ 24 Core SC



▶ 24 Core FC



▶ 12 Core SC Pull-pull type



▶ 12 Core FC/ST Pull-pull type

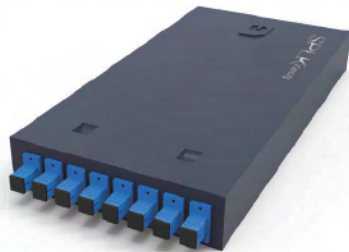


▶ 24 Core SC Pull-pull type



▶ 24 Core FC/ST Pull-pull type

INDUSTRIAL GRADE FULL MATCH



▶ 8 Core SC



▶ 8 Core FC



▶ 8 Core ST



▶ 12/24 Core SC



▶ 12/24 Core FC



▶ 12/24 Core ST



▶ 12/24 Core SC Pull-pull type



▶ 12/24 Core FC Pull-pull type



▶ 12/24 Core ST Pull-pull type



▶ 12/24 Core LC Pull-pull type



▶ 24/48 Core LC Pull-pull type

12/24/48/72/96/144 CORE

▶ **Description**

Optical Distribution Frame is also called ODF. Its main function is to terminate the fiber optic cable and provide connection access to the cable's individual fibers. Fiber patch panels are termination units, which are designed to provide a secure, organized chamber for housing connectors and splice units. Fiber patch panels are available in rack mounted or wall mounted. Both types can house, organize, manage and protect fiber optic cable, splices and connectors. Rack mount panels is usually 19" or 23" universal width. We can offer different ports upon customers' request, such as 1u, 2u, 3u, 4u, 6u and so on. The opening of the optical fiber patch panels can be slidable or fixed or revolving. Wall mount patch panel is more customized, it can be any structure and dimension. And the patch panels can be used for indoor or outdoor application.

▶ **Characteristics**

- 19" standard installation, adjustable position in forward and backward direction.
- Suitable for being installed in different kinds of optical distribution frame or cabinet.
- Compact aluminum body with electrostatic spraying surface, light structure and fine-looking appearance.
- Fiber guiding hoops on front and rear sides protect fibers from mechanical damage, and are arranged to ensure bending radius protection. Fiber can be inserted into guiding hoop directly, no need of interlude.
- Plug-in style adaptor panels can be exchange flexibly, easy for application and configuration.
- Adapter panels mounted on the front board are selectable with FC/SC/ST/LC type, according to requirement.
- Unique plastic retainer clips for optical fibers are attached, protecting the spliced fibers sufficiently.

▶ **Applications**

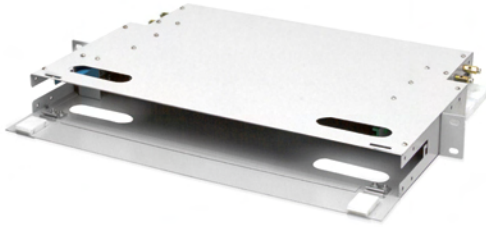
- Widely used in FTTH (Fiber To the Home) access network
- Telecommunication Networks
- CATV Networks
- Data communications Networks
- Local Area Networks
- Suitable for Telekom UniFi

▶ **Technical Parameters**

Fiber Capacity of panel	Panel Connector	Type	Dimension	Material	Inner Material	Thickness	Dielectric strength
12/24/48/72 96/144core	SC LC ST FC SM/MM	Sliding Fixed	19" 1U/2U/3U 4U/5U/6U/7U	Cold Rolled Steel or Aluminum	BAS Plastic	1.0 1.2 mm	≥ 3KV (DC) / 1min without breakdown, no arcing

Transport/Storage/Operating Temperature: -40°C~+70 °C

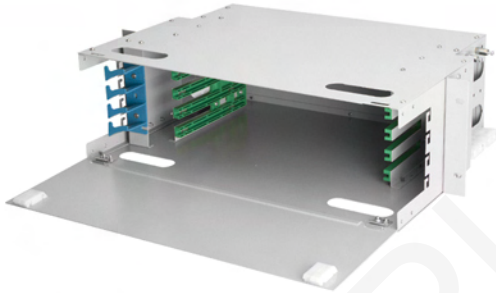
ODF EMPTY BOX



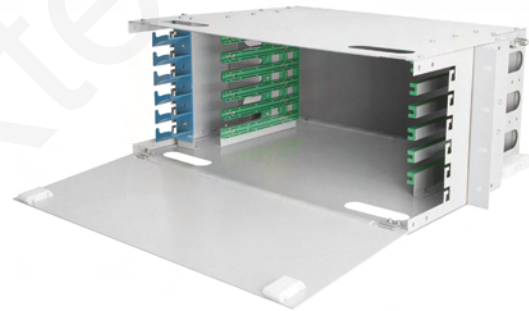
▶ Empty Container 12 Port ODF



▶ Empty Container 24 Port ODF



▶ Empty Container 48 Port ODF



▶ Empty Container 72 Port ODF



▶ Empty Container 96 Port ODF



▶ Empty Container 144 Port ODF

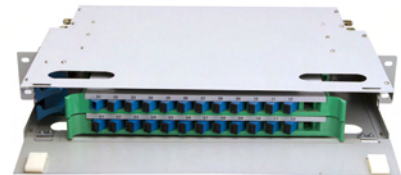
ODF FULL MATCH (FC/SC/ST/LC)



▶ 12 Port SC SM/MM



▶ 12 Port FC SM/MM



▶ 24 Port SC SM/MM



▶ 24 Port FC SM/MM



▶ 48 Port SC SM/MM



▶ 48 Port FC SM/MM



▶ 72 Port SC SM/MM



▶ 72 Port FC SM/MM



▶ 96 Port SC SM/MM



▶ 96 Port FC SM/MM



▶ 144 Port SC SM/MM



▶ 144 Port FC SM/MM

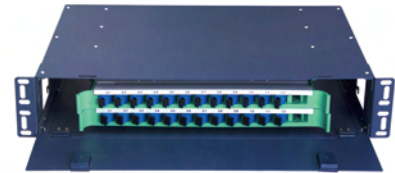
INDUSTRIAL GRADE FULL MATCH(FC/SC/ST/LC)



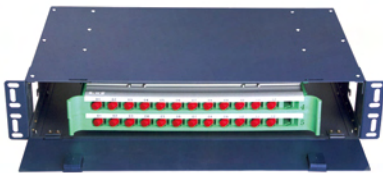
▶ 12 Port SC SM/MM



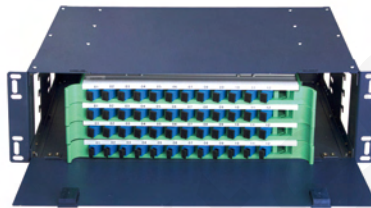
▶ 12 Port FC SM/MM



▶ 24 Port SC SM/MM



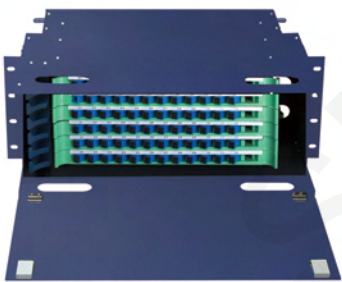
▶ 24 Port FC SM/MM



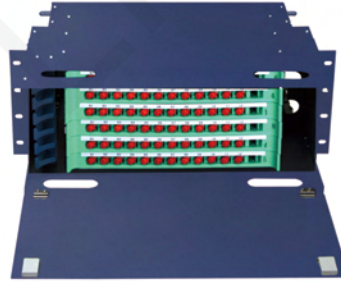
▶ 48 Port SC SM/MM



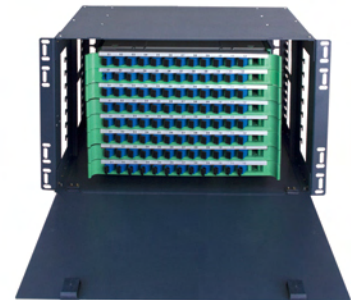
▶ 48 Port FC SM/MM



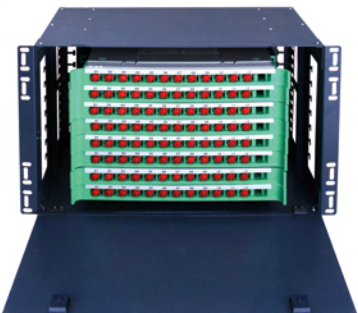
▶ 72 Port SC SM/MM



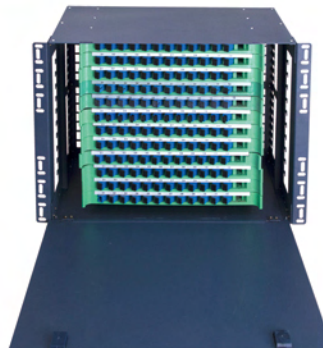
▶ 72 Port FC SM/MM



▶ 96 Port SC SM/MM



▶ 96 Port FC SM/MM



▶ 144 Port SC SM/MM



▶ 144 Port FC SM/MM

2/4/8/16/24/32PORTS

► Description

Fiber to the home (FTTH) infrastructures make network organizers adopt powerful management and planning systems, FTTH termination box is a small part of this system and provides a cost-effective solution for FTTH applications. FTTH Termination Box is suitable for the distribution and terminal connection for various kinds of optical fiber system, Some are used for indoor cabling and others are designed to install on outdoor pole or wall mount use. They are of light and compact design, Mainly used in fiber optic drop cable, pigtailed or splitters cabling in residential buildings area. Most of them are applied to wall mounted type. The capacity is optional, such as small single fiber distribution box, 2 ports, 4 ports, 6 ports, 8 ports, 12 ports, 16 ports, 24 ports or even higher density fiber distribution requirements.

► Characteristics

- ABS material used ensures the body strong and light.
- Waterproof design for outdoor use.
- Made of Grade PC/ABS alloy material, working life more than 20 years.
- Drop resistance, ability to work under vertical pressure of 500N.
- Easy installations: Ready for wall mount installation kits provided.
- Adapter slots used, no screws and tools needed for installing adapters.
- Ready for splitters: designed space for adding splitters.
- Double-layer design for easier installation and maintenances:
- Lower layer for splitters and over length fiber storage.
- Upper layer for splicing, cross-connecting and fiber distribution.
- Cable fixing units provided for fixing the outdoor optical cable.
- Accommodates both cable glands as well as tie-wraps
- It is good for storage of fixing cable achieves.
- It is applicable for (indoor and outdoor) (pole-mounted, wall-mounted).
- The splicing part is convenient for protection and maintenance engineering.
- Adapter baseboard and optical installation box baseboard uses a rotary design.

► Applications

- Optical LAN & WAN & CATV
- FTTH project & FTTX Deployments
- Broadband High-bit rate data transmission
- Active device terminations
- Testing instruments
- Optical fiber communication networks
- PON Networks
- Optical Signal Distribution

► Technical Parameters

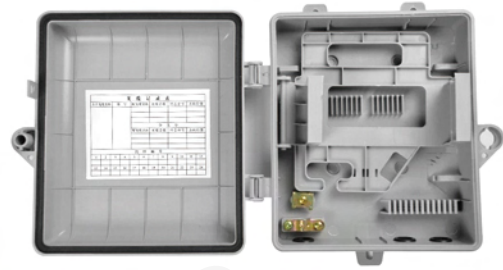
Capacity	Dimension(mm)	Box Material	Suitable Adapter	Accommodate PLC	Install	Environment	Protection Grade
8 ports	220*210*45	PC+ABS	SC/LC	1x2/1x4/1x8	Wall Mounting Type And Pole	Outdoor Or Indoor	IP65
16 ports	200*170*75	PC+ABS	SC/LC	1x2/1x4/1x8/1x16			
16 ports	320*250*130	PC+ABS	SC/LC	1x2/1x4/1x8/1x16			
16 ports	290*265*105	PC+ABS	SC/LC	1x2/1x4/1x8/1x16			
16 ports	345*275*105	PC+ABS	SC/LC	1x2/1x4/1x8/1x16			
32 ports	405*290*125	PC+ABS	SC/LC	1x2/1x4/1x8/1x16/1x32			
32 ports	420*350*135	PC+ABS	SC/LC	1x2/1x4/1x8/1x16/1x32			

Transport/Storage/Operating Temperature: -40°C~+70 °C

2/4/8/16/24/32PORTS



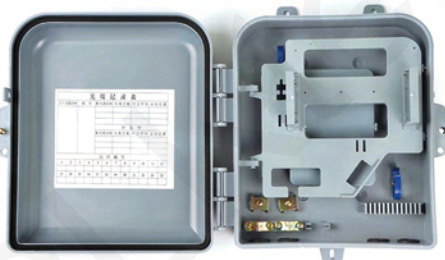
▶ Empty Container 8 Port



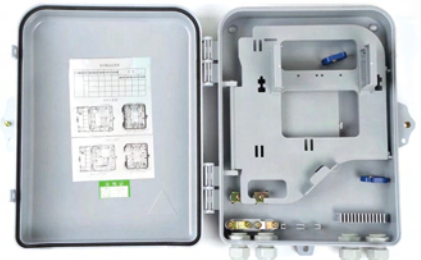
▶ Empty Container 16 Port mini



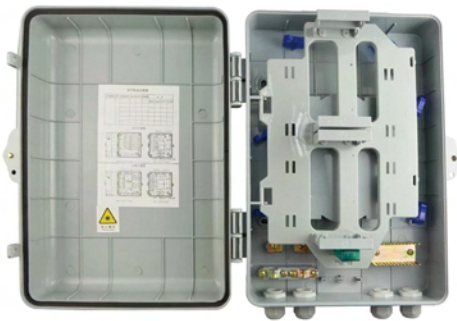
▶ Empty Container 16 Port A



▶ Empty Container 16 Port B



▶ Empty Container 16 Port C



▶ Empty Container 32 Port A



▶ Empty Container 32 Port B

12/24/48 PORTS

▶ Description

Optical Fibre Distribution Box. The client wiring equipment in FTTH optical network is mainly used for the fusion, splitting, wiring output and other functions of the optical transmission terminal. It can terminate, protect and manage the optical cable effectively, and is the necessary equipment in the optical network transmission process. This product is made of alloy material with good corrosion resistance. And the high quality plastic masterbatch is resistant to olefins, corrosion and aging. With good waterproof performance, and compact box design, this product can ensure the safety operations of your projects.

▶ Characteristics

- ABS or PC material used ensures the body strong and light.
- Wet-proof, water-proof, dust-proof, anti-aging design for outdoor uses.
- Easy installations: Wall-mounted installation kits provided.
- Adaptor slots used: No screws and tools needed for installing adapters.
- Space saving: Double-side design for easier installation and maintenance.
- First side for adaptor and Pigtail .
- Second side for splicing, cross-connecting, splitter and fiber distribution.
- Cable fixing units provided for fixing the outdoor optical cable.
- Protection Level: IP65.
- Accommodates both cable glands as well as tie-wraps.
- Lock provided for extra security.

▶ Applications

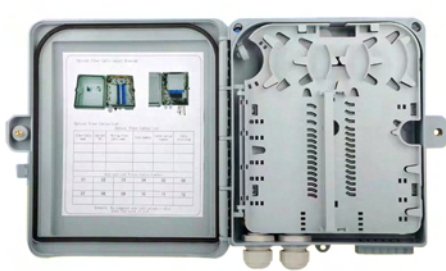
- Optical LAN & WAN & CATV
- FTTH project & FTTX Deployments
- Broadband High-bit rate data transmission
- Active device terminations
- Testing instruments
- Optical fiber communication networks
- PON Networks
- Optical Signal Distribution

▶ Technical Parameters

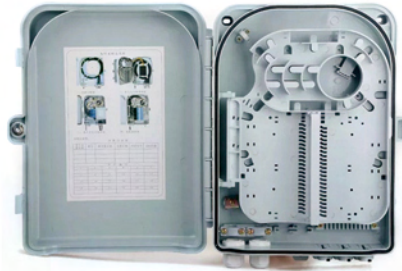
Capacity	Dimension(mm)	Box Material	Suitable Adapter	Max Capacity pigtail		Install	Environment	Protection Grade
				SC/FC/ST	LC			
12 ports A	230*200*65	PC+ABS	APC/UPC	1x12	2x12	Wall Mounting Type And Pole	Outdoor Or Indoor	IP65
24 ports A	345*275*100	PC+ABS	APC/UPC	2x12	4x12			
48 ports A	400*300*130	PC+ABS	APC/UPC	4x12	8x12			
12 ports B	310*300*73	PC+ABS	APC/UPC	1x12	2x12	Wall Mounting Type		
24 ports B	340*300*73	PC+ABS	APC/UPC	2x12	4x12			
48 ports B	390*342*90	PC+ABS	APC/UPC	4x12	8x12			

Transport/Storage/Operating Temperature: -40°C~+70 °C

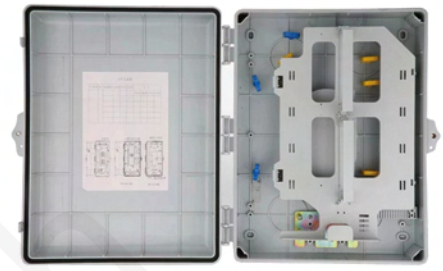
12/24/48 PORTS



▶ Empty Container 12 Port A



▶ Empty Container 24 Port A



▶ Empty Container 48 Port A



▶ Empty Container 12 Port B



▶ Empty Container 24 Port B



▶ Empty Container 48 Port B

72/96/144/288 CORE

Description

This Fiber Distribution Box has the functions of fiber distribution, splice, storage and dispatch. The cabinet is made of SMC material / Stainless steel for your option .It has dogged performance of resisting the open -air environment and can resist severe climatic changes and serious working environment. The protection grade reaches IP65. so it can be used both outdoors as well as indoor scenarios.The Outdoor Fiber Distribution Box is typically used in buildings to splice incoming Outside Plant (OSP) fiber optical cables into customer premises cables. In certain situations, it is necessary to mount this box on the exterior of a building or a telecommunication pole. The Fiber Distribution Box needs to be easily accessible and manageable in size. If necessary, the box can be locked to keep the splices secure.

Characteristics

- Made of SMC material or stainless steel, good heat insulation, seal belt inside the door make it work efficiently in different conditions.
- Mould operation of cable fuse and distribution, easy maintenance
- Direct fusion applicable
- Capacity can be flexibly customized as required
- Apply of bundle, belt-shaped and non-belt-shaped optical cables
- FC, SC, ST, LC adapter can be installed in it.
- Reliable optical fiber protection, earthing etc.
- The adapter is 30 °angle to the surface makes it easy to operate and protect the operator from the burning hurt.
- Different fusion and wiring marks, easy operation and making notes.
- Reasonable optical fiber cable panel to ens litter to compose a compact cable distribution system
- Unique patent for the design of the door key,can never be easily broken.
- With unique design of the adjust structure of temperature.

Applications

- Widely used in FTTH access network
- Telecommunication Networks
- CATV Networks
- Data communications Networks
- Local Area Networks

Technical Parameters

Capacity	Dimension(mm)		Box Material	optional adapter	Capacity ODF	Returnloss			Install	Protection Grade
	Wall Mounting Type	Floor Type				PC	UPC	APC		
72 cores	550*300*750	550*300*1020	SMC	FC, SC, ST, LC	6	≥45dB	≥55dB	≥60dB	Outdoor Or Indoor	IP65
96 cores	550*300*750	550*300*1020	SMC	FC, SC, ST, LC	8					
144 cores	550*300*750	550*300*1020	SMC	FC, SC, ST, LC	12					
288 cores		740*320*1400	SMC	FC, SC, ST, LC	24					

Transport/Storage/Operating Temperature: -40°C~+70 °C



288 Core Floor Type

72/96/144/288 CORE



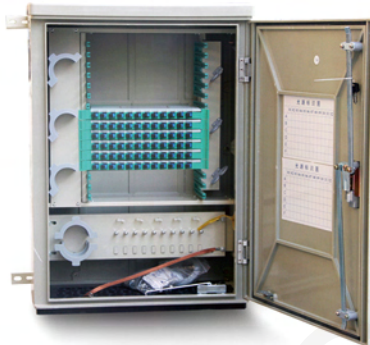
▶ Empty box 72/96/144 Core
Wall MountingType



▶ Empty box 72/96/144
Floor Type



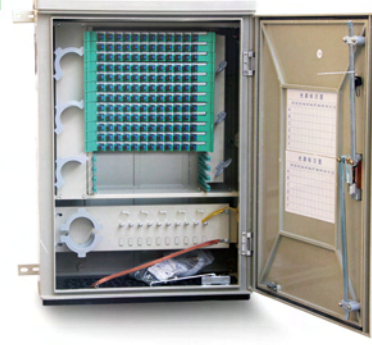
▶ Empty box 288 Core
Floor Type



▶ 72 Core
Wall MountingType



▶ 96Core
Wall MountingType



▶ 144 Core
Wall MountingType



▶ 72 Core Floor Type



▶ 96 Core Floor Type



▶ 144 Core Floor Type