OUTDOOR OPTICAL CABLE

1-01

ADSS

Product description:

ADSS fibre optic cable is a loose-jacketed, laminated construction, with 250μm of fibre optic cable placed in a loose tube of high modulus material, filled with a waterproof compound. The loose sleeving (and filler rope) is twisted around a non-metallic central reinforcement core (FRP) to form a compact core with gaps filled with water-blocking grease. The inner sheath of polyethylene (PE) is extruded outside the core, then the reinforcing aramid is stranded and the outer sheath of PE or AT is extruded.

Product characteristics:

• Very good mechanical properties and temperature characteristics

• Can be erected without disconnection

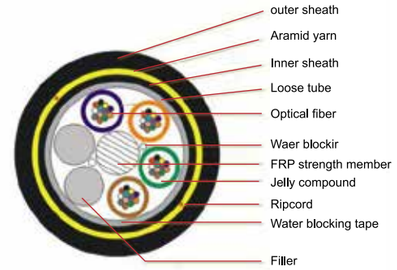
• AT sheathing for excellent resistance to electrical traces

• Lightweight and small cable diameter reduces the impact of ice and wind and the load on towers and supports

• Large spans, up to 1000m

• Excellent tensile properties and temperature characteristics

• Life expectancy greater than 30 years



Product applications and laying methods.

1.Outdoor communication system wiring

2. Self-supporting overhead

Cable Mechanical characteristic

Fiber Number	Cable Outer Dia (mm)	Minimum Bending radius (mm)		Maximun Allowable Tensile Strength (N)		Minimum Allowable Crush Load (N/100m)		Outer sheath and the materials adopted	
		Static	Dynamic	Short	Long Term	Short	Long Term	Laying electromotance≤12kV	Laying electromotance＞12kV
4~6F	11.5	10times outer cable radiuo	20times outer cable radiuo	3000	1000	3000	1000	A Grade, black PE	B Grade, black galvanic corrosion resistance PE
12F	12.6			3000	1000	3000	1000		
48F	13.9			3000	1000	3000	1000		
96F	15.4			3000	1000	3000	1000		

Remarks: The cables maximum operating tensile strength and real structure shall be determined according to cables different span and max.height of the radian and environment indexes and f.c. Etc while constructing.

GYFTY

Product description:

The GYFTY fibre optic cable is constructed with a 250μm fibre optic cable in a high modulus material pine tube filled with a waterproof compound. At the centre of the core is a glass fibre reinforced plastic (FRP) and the loose tube (and filler rope) is twisted around the central reinforcement to form a compact and round core with a water barrier filler in the gaps. A polyethylene sheath is extruded over the core to form the cable.

Product characteristics:

• Very good mechanical and temperature properties

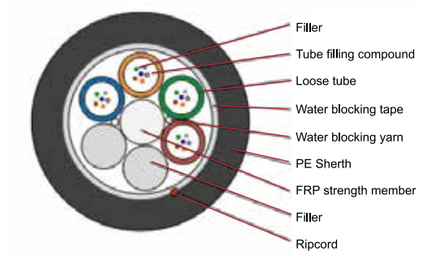
• Very good mechanical and temperature properties

• good hydrolysis resistance and high strength of the loose tube material itself

• The tube is filled with a special oil paste, which provides critical protection for the optical fibres

• Good resistance to compression and flexibility

• The following measures are used to ensure that the fibre optic cable is watertight.
- Single non-metallic central reinforcement core
- Special waterproofing compounds in the loose sleeves
- Complete core filling



Product applications and laying methods.

1.Outdoor communication system wiring
2.Pipelines, overheads, cable trenches

Cable Mechanical characteristic

Fiber Number	Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximun Allowable Tensile Strength(N)		Minimum Allowable Crush Load(N/100m)	
			Static	Dynamic	Short	Term	Short	Term
2~36F	9.9	85	99	198	1500	600	1000	300
38~72F	10.3	90	103	206	1500	600	1000	300
74~96F	11.6	115	116	232	1500	600	1000	300
98~120F	13.0	145	130	260	1500	600	1000	300
122~144F	14.5	175	145	290	2000	600	1000	300
146~288F	16.7	235	167	334	3000	600	1000	300

GYTA

Product description:

GYTA fibre optic cables are constructed with 250μm fibre optic fibres in a high modulus material pine tube, which is filled with a waterproof compound. At the centre of the core is a metal reinforcement core, which for some cores is also extruded with a layer of polyethylene (PE). The loose sleeving (and filler rope) is twisted around the central reinforcement to form a compact and rounded core with gaps filled with a water-blocking filler. Plastic coated aluminium tape (APL) wrapped longitudinally and then extruded with a polyethylene sheath

Product characteristics:

• Very good mechanical properties and temperature characteristics

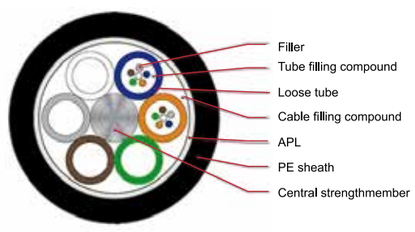
• The loose tube material itself has good hydrolysis resistance and high strength

• The tube is filled with a special oil paste, which provides critical protection for the optical fibres

• Specially designed compact cable construction prevents retraction of the casing

• PE jacket with high resistance to UV radiation

• The following measures are used to ensure that the cable is watertight:
- Single steel wire central reinforcement core
- Special waterproofing compounds in the loose sleeves
- Complete core filling
- Plastic coated aluminium tape (APL) moisture barrier



Product applications and laying methods.

1.Outdoor communication system wiring
2.Duct and overhead

Cable Mechanical characteristic

Fiber Number	Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximun Allowable Tensile Strength(N)		Minimum Allowable Crush Load(N/100m)	
			Static	Dynamic	Short	Term	Short	Term
2~20F	9.3	80	101	202	1500	600	1000	300
22~30F	10.2	104	104	208	1500	600	1000	300
32~36F	10.9	110	111	222	3000	600	1000	300
38~72F	12.6	145	126	252	3000	600	1000	300
74~96F	14.2	189	143	286	3000	600	1000	300
98~120F	15.8	227	159	318	3000	600	1000	300
122~144F	17.6	273	177	354	3000	600	1000	300
146~216F	17.9	281	179	358	3000	600	1000	300

GYTA53

Product description:

The GYTA53 fibre optic cable is constructed by placing a 250μm fibre optic cable in a high modulus material pine tube, which is filled with a waterproof compound. At the centre of the core is a metal reinforcement core, which for some cores is also extruded with a layer of polyethylene (PE). The loose sleeving (and filler rope) is twisted around the central reinforcement to form a compact and rounded core with gaps filled with a water-blocking filler. Plastic coated aluminium tape (APL) is wrapped longitudinally and then extruded with a layer of polyethylene.

Product characteristics:

• Very good mechanical properties and temperature characteristics

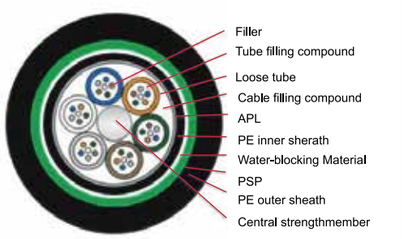
• The loose tube material itself has good hydrolysis resistance and high strength

• Tube filled with special oil paste for critical protection of the fibres

• Good resistance to compression and flexibility

• The following measures are used to ensure the water resistance of the fibre optic cable:

-Single metal central reinforcement core
-Loose sleeves filled with special waterproofing compounds
-Complete core filling
-Plastic-coated aluminium tape (APL) with a moisture barrier
-Plastic coated steel tape (PSP) on both sides to improve the cable's resistance to moisture
-Good water barrier material prevents longitudinal water penetration



Product applications and laying methods.

1.Outdoor communication system wiring
2. Directly buried

Cable Mechanical characteristic

Fiber Number	Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximun Allowable Tensile Strength(N)		Minimum Allowable Crush Load(N/100m)	
			Static	Dynamic	Short	Term	Short	Term
2~36F	13.1	190	164	328	3000	1000	3000	1000
38~72F	14.3	225	179	358	3000	1000	3000	1000
74~96F	15.8	255	198	396	3000	1000	3000	1000
98~120F	17.4	295	218	436	3000	1000	3000	1000
122~144F	18.9	345	237	474	3000	1000	3000	1000
146~216F	18.9	355	237	474	3000	1000	3000	1000
218~288F	21.1	430	264	528	3000	1000	3000	1000

GYTC8S

Product description:

The GYTC8S(A) fibre optic cable is constructed by placing a 250μm fibre optic cable into a high modulus material pine tube, which is filled with a waterproof compound. At the centre of the cable core is a metal reinforcement core, around which the loose tube (and filler rope) is twisted to form a compact and round core.The core is wrapped longitudinally with a layer of plastic coated aluminium tape (APL) / (PSP) and integrated with the wire strands in a polyethylene sheath in the shape of a figure of eight.

Product characteristics:

• The high tensile strength of the stranded steel wire facilitates self-supporting overhead laying and reduces installation costs

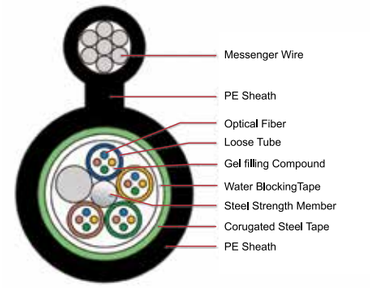
• Excellent mechanical properties and temperature characteristics of the fibre optic cable

• The loose tubing material itself has good hydrolysis resistance and high strength

• The tube is filled with a special oil paste, which provides critical protection for the optical fibres

• The following measures are used to ensure that the fibre optic cable is watertight:

- Single steel wire central reinforcement core
- Special waterproofing compounds in the loose sleeves
- Complete core filling
- Plastic coated aluminium tape (APL) or steel tape (PSP) moisture barrier



Product applications and laying methods.

1.Outdoor communication system wiring
2.Self-supporting overhead

GYTC8S Cable Mechanical characteristic GYTC8S

Fiber Number	Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximun Allowable Tensile Strength(N)		Minimum Allowable Crush Load(N/100m)	
			Static	Dynamic	Short	Term	Short	Term
2~20F	10.6x20.8	268	106	212	9000	4000	3000	1000
22~30F	10.9x21.1	272	109	218	9000	4000	3000	1000
32~36F	11.6x21.8	299	116	232	9000	4000	3000	1000
38~72F	13x23.2	329	130	260	9000	4000	3000	1000

GYTC8S Cable Mechanical characteristic GYTC8A

2~20F	10.1x20.3	244	101	202	9000	4000	1000	300
22~30F	10.4x20.6	248	104	208	9000	4000	1000	300
32~36F	11.1x21.3	273	111	222	9000	4000	1000	300
38~72F	12.5x22.7	299	125	250	9000	4000	1000	300

GYTS

Product description:

GYTA fibre optic cables are constructed with 250μm fibre optic fibres in a high modulus material pine tube, which is filled with a waterproof compound. At the centre of the core is a metal reinforcement core, which for some cores is also extruded with a layer of polyethylene (PE). The loose sleeving (and filler rope) is twisted around the central reinforcement to form a compact and rounded core with gaps filled with a water-blocking filler. Plastic coated aluminium tape (APL) wrapped longitudinally and then extruded with a polyethylene sheath

Product characteristics:

• Very good mechanical properties and temperature characteristics

• The loose tube material itself has good hydrolysis resistance and high strength

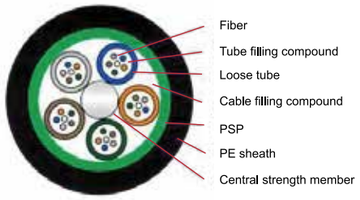
• The tube is filled with a special oil paste, which provides critical protection for the optical fibres

• Specially designed compact cable construction prevents retraction of the casing

• PE jacket with high resistance to UV radiation

• **The following measures are used to ensure that the cable is watertight:**

- Single steel wire central reinforcement core
- Special waterproofing compounds in the loose sleeves
- Complete core filling
- Double-sided plastic coated steel belt armouring



Product applications and laying methods.

1.Outdoor communication system wiring
2.Duct and overhead

Cable Mechanical characteristic

Fiber Number	Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximun Allowable Tensile Strength(N)		Minimum Allowable Crush Load(N/100m)	
			Static	Dynamic	Short	Term	Short	Term
2~20F	9.3	100	93	186	1500	600	1000	300
32~60F	10.2	120	102	204	2000	600	1000	300
62~70F	10.9	135	109	218	3000	600	1000	300
74~96F	12.6	175	126	252	2000	600	1000	300
98~120F	14.2	210	143	284	3000	600	1000	300
122~144F	15.7	250	157	314	3000	600	1000	300
146~216F	15.7	255	157	314	3000	600	1000	300
218~288F	17.9	325	179	358	3000	600	1000	300

GYXTW

Product description:

The GYXTW fibre optic cable is constructed by placing 250μm fibres in a loose tube made of high modulus plastic.. The tubes are filled with a waterresistant filling compound. The tube is wrapped with a layer of PSP longitudinally.Between the PSP and the loose tube waterblocking 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 cable is completed with a PVC or PE sheath.

Product characteristics:

•Very good mechanical properties and temperature characteristics

• good hydrolysis resistance and high strength of the loose tubing material itself

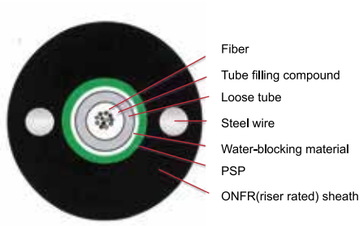
• Tube filled with special oil paste for critical protection of optical fibres

•Good resistance to compression and flexibility

•Double-sided plastic coated steel strip (PSP) improves the cable's resistance to moisture

•Two parallel wires for tensile strength of the cable

• Small diameter, light weight and easy to lay



Product applications and laying methods.

1.Outdoor communication system wiring
2.Duct and overhead

Cable Mechanical characteristic

Fiber Number	Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)	Maximun Allowable Tensile Strength(N)		Minimum Allowable Crush Load(N/100m)	
				Short	Term	Short	Term
2~6F	10.5	127	105	1500	600	1000	300
8~12F	10.8	132	108	1500	600	1000	300
14~24F	13	170	130	1500	600	1000	300
26~36F	14	185	140	1500	600	1000	300
38~48F	15	200	150	1500	600	1000	300

OUTDOOR RIBBON CABLE

1-02

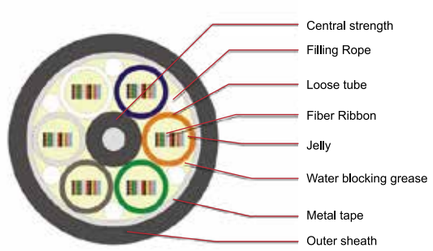
GYDTA - 144B1

Product description:

GYDTA fibre optic cables are constructed with 4, 6, 8 and 12 cores of fibre optic ribbons in a high modulus material loose sleeve filled with a waterproof compound. At the centre of the core is a metal reinforcement core, which for some cores is also extruded with a layer of polyethylene (PE). Loose sleeving and filler ropes are twisted around the central reinforcement to form a compact and rounded core with gaps filled with a water-blocking filler. Plastic coated aluminium tape (APL) is wrapped longitudinally and then extruded with polyethylene.

Product characteristics:

- Very good mechanical properties and temperature characteristics
- Very good mechanical properties and temperature characteristics
- The loose tube material itself has good hydrolysis resistance and high strength
- The tube is filled with a special oil paste, which provides critical protection for the optical fibres
- Specially designed compact cable construction prevents retraction of the casing
- PE sheath with high resistance to UV radiation
- 4, 6, 8 and 12-cell fibre tapes for flexible applications
- **The following measures are used to ensure that the cable is watertight:**
- Single wire central reinforcement core
- Special waterproofing compounds in the loose sleeves
- Complete core filling
- Plastic coated aluminium tape (APL) moisture barrier



Product applications and laying methods.

1.Outdoor communication system wiring
2.Duct and overhead

Cable Mechanical characteristic

Fiber Number	Number of Fiber within one Ribbon	Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximun Allowable Tensile Strength(N)		Minimum Allowable Crush Load(N/100m)	
				Static	Dynamic	Short	Term	Short	Term
16~96F	4	14.7	200	147	294	3000	600	1000	300
24~144F	6	15.3	210	153	306	3000	600	1000	300
150~216F	6	18.3	290	183	366	3000	600	1000	300
222~288F	6	20.1	345	201	402	3000	600	1000	300
48~432F	12	17.0~21.9	250~405	190~219	340~438	3000	600	1000	300
444~576F	12	23.5	470	235	470	3000	600	1000	300

GYFDTA

Product description:

GYFDTA fibre optic cables are constructed with 4, 6, 8 and 12 cores of fibre optic ribbons in a high modulus material loose sleeve filled with a waterproof compound. At the centre of the core is a non-metallic reinforcement core, which for some cores is extruded with a layer of polyethylene (PE). Loose sleeving and filler ropes are twisted around the central reinforcement to form a compact and rounded core with gaps filled with a water-blocking filler. Plastic coated aluminium tape (APL) is wrapped longitudinally and then extruded with polyethylene.

Product characteristics:

• Very good mechanical properties and temperature characteristics

• Very good mechanical properties and temperature characteristics

• The loose tube material itself has good hydrolysis resistance and high strength

• The tube is filled with a special oil paste, which provides critical protection for the optical fibres

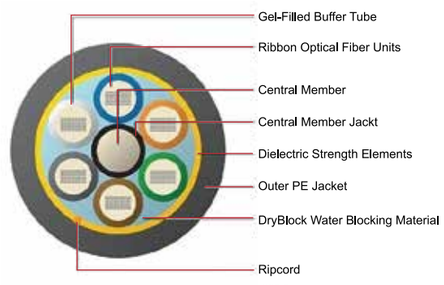
• Specially designed compact cable construction prevents retraction of the casing

• PE sheath with high resistance to UV radiation

• 4, 6, 8 and 12-cell fibre tapes for flexible applications

• The following measures are used to ensure that the cable is watertight:

- Single wire central reinforcement core
- Special waterproofing compounds in the loose sleeves
- Complete core filling
- Plastic coated aluminium tape (APL) moisture barrier



Product applications and laying methods.

1.Outdoor communication system wiring

2.Duct and overhead

Cable Mechanical characteristic

Fiber Number	Number of Fiber within one Ribbon	Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximun Allowable Tensile Strength(N)		Minimum Allowable Crush Load(N/100m)	
				Static	Dynamic	Short	Term	Short	Term
16~96F	4	14.7	200	147	294	3000	600	1000	300
24~144F	6	15.3	210	153	306	3000	600	1000	300
150~216F	6	18.3	290	183	366	3000	600	1000	300
222~288F	6	20.1	345	201	402	3000	600	1000	300
48~432F	12	17.0~21.9	250~405	190~219	340~438	3000	600	1000	300
444~576F	12	23.5	470	235	470	3000	600	1000	300

GYDXTW 288B1.3

Product description:

The GYDXTW fibre optic cable is constructed by placing a 12-cell fibre optic ribbon in a high modulus material pine sleeve filled with a waterproof compound. The cable is wrapped longitudinally with a double-sided plastic-coated steel strip (PSP), with a water barrier between the strip and the loose tubing to ensure a compact and longitudinal water barrier, with two parallel wires placed on either side and then extruded into a polyethylene jacket.

Product characteristics:

• Very good mechanical properties and temperature characteristics

• The loose tube material itself has good hydrolysis resistance and high strength

• Tube filled with special oil paste for critical protection of the fibres

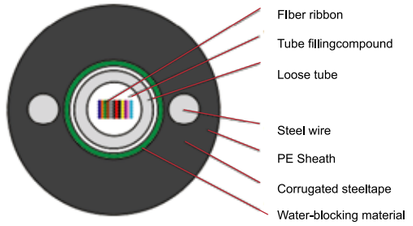
• Good resistance to compression and flexibility

• Double-sided plastic coated steel strip (PSP) improves the cable's resistance to moisture

• Two parallel steel wires guarantee the cable's tensile strength

• Flexible application thanks to long-flying 12-cell fibre ribbon

• Small diameter, light weight and easy to lay



Product applications and laying methods.

1.Outdoor communication system wiring

2.Duct and overhead

Cable Mechanical characteristic

Fiber Number	Number of Fiber within one Ribbon	Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximun Allowable Tensile Strength(N)		Minimum Allowable Crush Load(N/100m)	
				Static	Dynamic	Short	Term	Short	Term
12~24F	12	10.7	128	107	214	2000	600	1000	300
36~48F	12	11.7	155	117	234	2000	600	1000	300
60~72F	12	12.1	160	121	242	2000	600	1000	300
80~96F	12	12.8	180	128	256	2000	600	1000	300
108~144F	12	14.1	210	141	282	2500	600	1000	300
156~168F	12	15.2	236	152	304	2000	600	1000	300
180~216F	12	16.8	285	168	336	3000	336	1000	300
244~288F	24	17.8	315	178	356	3000	356	1000	300

OPGW

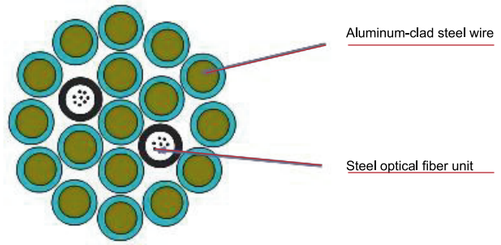
1-03

Product description:

The Optical fibre composite overhead ground wire (OPGW) is an overhead ground wire containing optical fibre. It has multiple functions such as overhead ground wire and optical communication. It is mainly used for communication lines of 110KV, 220KV, 500KV, 750KV and new overhead high-voltage transmission system. It can also be used to replace the existing ground lines of the old overhead high voltage transmission system, add the optical communication line, transmit short time current and provide anti lightning protection. Other structures can be customized on request.

Product characteristics:

- Stainless steel tubes filled with hydrophobic gel provide the protection and support of the optical fibres.
- Good tensile performance.
- Small diameter, light weight, low additional load to the tower.
- Appropriate fibre excess length of optical unit easliy to make.



Product applications and laying methods.

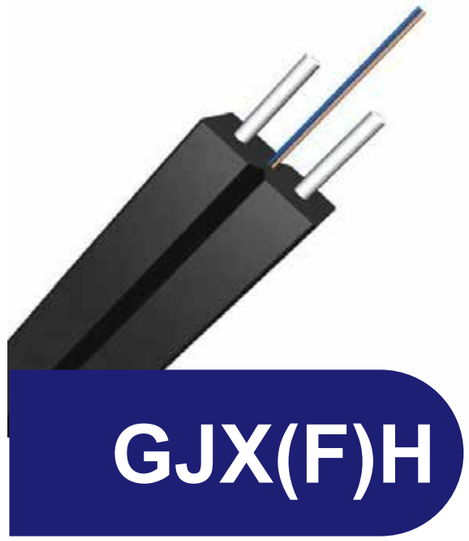
1.Outdoor communication system wiring
2. Aerial

Cable Mechanical characteristic

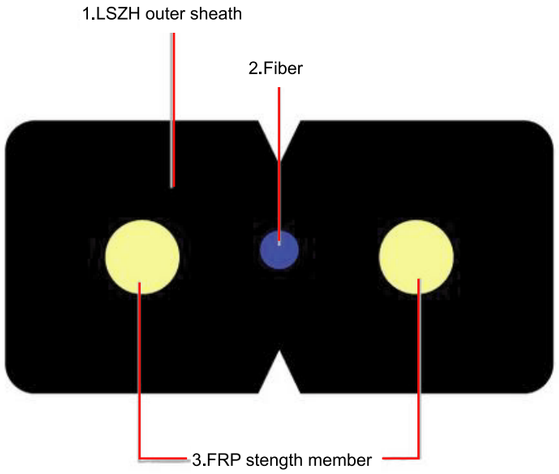
No	Product Type	Structure Typ	Max. Fiber Count	Section of AS Wire(m ㎡) AS	Diameter (mm)	Cable Weight (kg/km)	Rate Tensile Strength (kN)	20℃DC Resistance (Ω/km) 20℃DC	Short Time Current Capacity (40-200℃ KA2s)
1	OPGW-24 B1.3-40 -[51:9]	6/3.0/20AS, Optical Unit 1/3.0	24	~40	9.0	≤304	≥51	≤2.10	≥9
2	OPGW-24 B1.3-50 -[58:11.5]	6/3.2/20AS, Optical Unit 1/3.2	24	~50	9.6	≤345	≥58	≤1.82	≥11.5
3	OPGW-48 B1.3-70 -[77:24]	6/3.8/20AS, Optical Unit 1/3.8	48	~70	11.4	≤475	≥77	≤1.30	≥24
4	OPGW-48 B1.3-70 -[42:38]	6/3.8/40AS, Optical Unit 1/3.8	48	~70	11.4	≤340	≥42	≤0.70	≥38

DROP CABLE

1-04



GJX(F)H



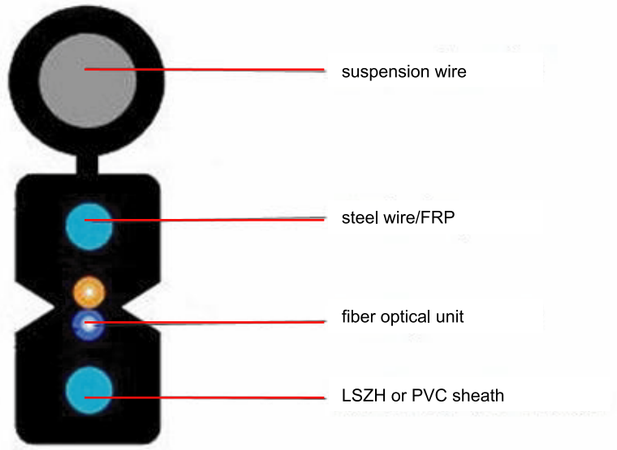
Product description:
The optical fiber(s) is placed in the center. Two parallel steel wires or FRP are placed at the two side. Then the cable is completed with LSZH sheath.

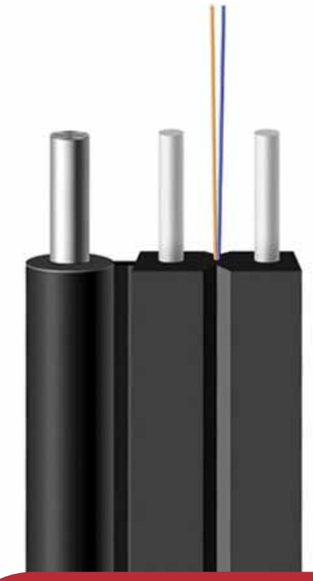
Product characteristics:
- Simple structure, light weight and high tensile strength.
- Novel flute design, easily strip and splice, simplify the installation and maintenance.
- Low smoke, zero halogen and flame retardant sheath, environmental protection.

Cable Mechanical characteristic

Cable Type	Cable Size(mm)	Cable Weight (kg/km)	Tensile Strength/ Long/ Short Term(N)	Crush Resistance Long/ Short Term (N/100mm)	Bending Radius Static/ Dynamic (mm)	Storage、Operating Temperature(℃)
GJXH-1C	(2.0±0.1) x (3.0±0.1)	10.5	100/200	1000/2200	15/30	-20 ~ +60
GJXH-2C	(2.0±0.1) x (3.0±0.1)	10.5	100/200	1000/2200	15/30	-20 ~ +60
GJXFH-1C	(2.0±0.1) x (3.0±0.1)	7.5	40/80	500/1000	15/30	-20 ~ +60
GJXFH-2C	(2.0±0.1) x (3.0±0.1)	7.5	40/80	500/1000	15/30	-20 ~ +60

AIR BLOWN OPTICAL CABLE





GJYX(F)CH

1-05

Product characteristics:

•Simple structure, light weight and high tensile strength.
•Novel flute design, easily strip and splice, simplify the installation and maintenance.
•Low smoke, zero halogen and flame retardant sheath, environmental protection.

Product description:

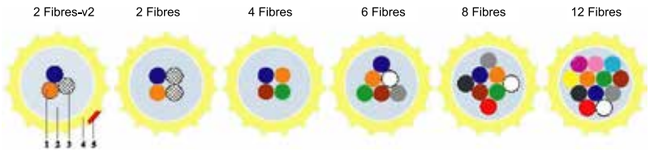
The optical fiber(s) is placed in the center. Two parallel steel wires or FRP are placed at the two side. An additional steel wire reinforcement element is attached to the outside of the fibre optic cable. Then the cable is completed with LSZH sheath.

Cable Mechanical characteristic

Cable Type	Cable Size(mm)	Cable Weight (kg/km)	Tensile Strength/ Long/ Short Term (N)	Crush Resistance Long/ Short Term (N/100mm)	Bending Radius Static/ Dynamic (mm)	Storage、Operating Temperature(℃)
GJYXCH-1C	(2.0±0.1) x (5.0±0.1)	15	300/600	1000/2200	15/30	-20 ~ +60
GJYXCH-2C	2.0±0.1) x (5.0±0.1)	15	300/600	1000/2200	15/30	-20 ~ +60
GJYXFCH-1C	(2.0±0.1) x (5.0±0.1)	20	300/600	500/1000	15/30	-20 ~ +60
GJYXFCH-2C	(2.0±0.1) x (5.0±0.1)	20	300/600	500/1000	15/30	-20 ~ +60

INDOOR OPTICAL CABLE

GCYFXTY－XB1.3



Product description:

The ABF is the product that with small diameter, light-weight, highly flexibility and proper stiffness, and it can be blown into the microduct of 5.0/3.5mm. The fibres are coated with a soft acrylate resin which provides excellent dimensional and thermal stability to cushion the fibres, in addition, the resin can be easily stripped in connecting the fibres. The outer sheath is a thermoplastic that is of low friction. The surface of the sheath is designed with special grooves, compared to the surface of the traditional optical fibre cable, it provides not only the high level of mechanical protection, but also the perfect blowing performance..

Product characteristics:

•Very good mechanical properties and temperature characteristics
• good hydrolysis resistance and high strength of the loose tubing material itself
• Tube filled with special oil paste for critical protection of optical fibres
•Good resistance to compression and flexibility
•Double-sided plastic coated steel strip (PSP) improves the cable's resistance to moisture
•Two parallel wires for tensile strength of the cable
• Small diameter, light weight and easy to lay

Product applications and laying methods.

1.Outdoor/Indoor communication system wiring
2. Pipelay wiring

Cable Mechanical characteristic

Fiber Count	2F	2F	4F	6F	8F	12F
Model No.	EPFU-2B1.3V2	EPFU-2B1.3	EPFU-4B1.3	EPFU-6B1.3	EPFU-8B1.3	EPFU-12B1.3
OD(mm (mm):	1.13±0.05	1.18±0.05	1.18±0.05	1.35±0.05	1.55±0.05	1.65±0.05
Weight	0.9	1.0	1.0	1.3	1.8	2.2
Weight(g/m)	50	50	50	60	80	80
Min Bending radius(mm)	Storage：-30℃ ~ +60℃ / Operation：-30℃ ~ +60℃ / Installation:-5℃ ~ +50℃					
Temperature range	25Years					
Fiber Attenuation	SM G.652D/G.657	Typical≤0.36dB/km@1310nm(Max≤0.37dB/KM) Typical≤0.22dB/km@1550nm(Max≤0.24dB/KM) Typical≤0.24dB/km@1625nm(Max≤0.26dB/KM)				

Cable structure 1-6 identification:

1.Optical Fibre　2.Resin　3.'Filled' Fibres　4.Low Friction Sheath　5.Groove

1-06

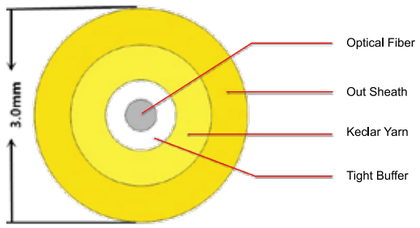
GJFJV

Product description:

GJFJV single-core optical fiber cable uses a single Φ900μm or Φ600μm tightly sheathed optical fiber as the optical transmission medium, covered with a layer of aramid as the force reinforcement unit, and extruded with a layer of polyvinyl chloride (PVC) or low smoke and halogen-free material (LSZH, low smoke, halogen-free, flame retardant) sheath.

Product characteristics:

•Tightly sheathed fibres for easy stripping
• Tightly sheathed fibres with good flame retardant properties
• Aramid reinforcing element for excellent tensile strength of the cable
• Corrosion resistant, water resistant, UV resistant, flame retardant and environmentally friendly outer sheathing materials



Product applications and laying methods.

Product applications and laying methods.
• Fibre optic movable connection patch cords or pigtails
• Indoor shaft level and forced ventilation level cabling
• Interconnection of instruments, communication equipmen

Cable Mechanical characteristic

Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximun Allowable Tensile Strength(N)		Minimum Allowable Crush Load(N/100m)	
		Static	Dynamic	Short	Term	Short	Term
2.0	3.2	20	40	100	60	500	100
2.5	5	25	50	100	60	500	100
2.8	6.9	28	56	100	60	500	100
3.0	10	30	60	100	60	500	100

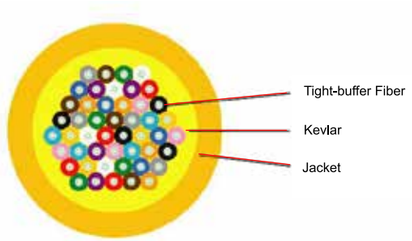
GJFJZY

Product description:

GJFJZY multi-purpose cabling cable uses multiple Φ900μm flame retardant tightly sheathed optical fibres as the optical transmission medium, covered with a layer of aramid as the load-bearing reinforcement unit and sheathed with a layer of polyvinyl chloride (PVC) or low smoke and halogen free material (LSZH, low smoke, halogen free, flame retardant).

Product characteristics:

•Tightly sheathed fibres for easy stripping
• Tightly sheathed fibres with good flame retardant properties
• Aramid reinforcing element for excellent tensile strength of the cable
• Corrosion resistant, water resistant, UV resistant, flame retardant and environmentally friendly outer sheathing materials

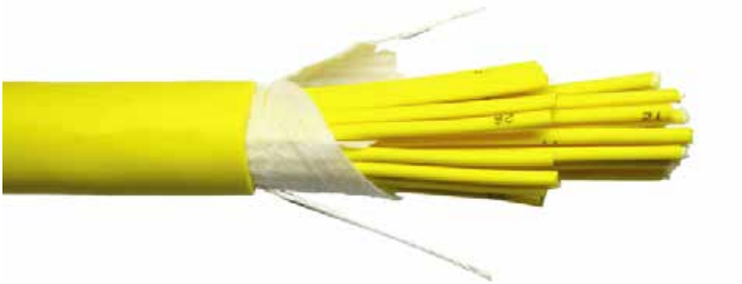


Product applications and laying methods.

• Integrated indoor cabling
• Fiber optic cable as the backbone of the building
• Multi-core fibre optic movable connection patch cords

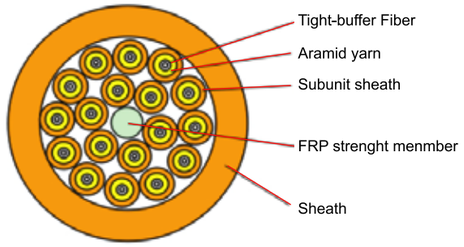
Cable Mechanical characteristic

Fiber Number	Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximun Allowable Tensile Strength(N)		Minimum Allowable Crush Load(N/100m)	
			Static	Dynamic	Short	Term	Short	Term
04F	4.8±0.3	18	10D	20D	440	130	1000	300
06F	5.1±0.3	23	10D	20D	440	130	1000	300
08F	5.6±0.3	31	10D	20D	440	130	1000	300
12F	6.2±0.3	36	10D	20D	440	130	1000	300
24F	8.1±0.3	57	10D	20D	660	200	1000	300



GJFJBV (BOC)

GJFJBV

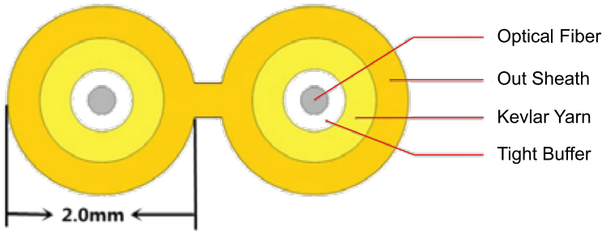


Product applications and laying methods.

• Integrated indoor cabling
• Fiber optic cable as the backbone of the building

Product applications and laying methods.

• Fibre optic movable connection patch cords or pigtails
• Indoor shaft level and forced ventilation level cabling
• Interconnection of instruments, communication equipment



Product description:

The GJFJBV(BOC) multi-purpose breakout tight buffer cable uses a single core (Φ900μm tightly sheathed optical fibre, aramid reinforcement) as a sub-unit, with a non-metallic central reinforcement core, the sub-units of the cable are twisted around the central reinforcement core to form the core, and the outer layer is extruded with a polyvinyl chloride (PVC) or low smoke and halogen free (LSZH, low smoke, halogen free, flame retardant) sheath.

Product characteristics:

• Laminated fiber optic cable structure, non-metallic central reinforcement core allows the cable to withstand greater tensile strength
• Corrosion resistant, waterproof, UV resistant, flame retardant and environmentally friendly outer sheath material
• Aramid reinforcing element for excellent tensile strength

Product description:

GJFJBV twin-core 8-core optical cable is made of Φ900μm or Φ600μm tightly sheathed optical fibre as the optical transmission medium, covered with a layer of aramid as the stress-reinforcing unit, and extruded with a sheath of 8-core polyvinyl chloride (PVC) or low smoke and halogen-free material (LSZH, low smoke, halogen-free, flame retardant).

Product characteristics:

• Tightly sheathed fibres for easy stripping
• Tightly sheathed fibres with good flame retardant properties
• Aramid reinforcing element for excellent tensile strength of the cable
• 8-shaped sheath for easy stripping and branching
• Corrosion resistant, water resistant, UV resistant, flame retardant and environmentally friendly outer sheathing materials

Cable Mechanical characteristic

Fiber Number	Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximun Allowable Tensile Strength(N)		Minimum Allowable Crush Load(N/100m)	
			Static	Dynamic	Short	Term	Short	Term
04F	7.4±0.5	56	10D	20D	440	130	1000	300
06F	8.4±0.5	74	10D	20D	660	200	1000	300
08F	9.8±0.5	101	10D	20D	660	200	1000	300
12F	12.4±0.5	155	10D	20D	660	200	1000	300
18F	12.4±0.5	155	10D	20D	1320	400	1000	300
24F	14.4±0.5	201	10D	20D	1320	400	1000	300
36F	16.4±0.5	255	10D	20D	1320	400	1000	300
48F	19±0.5	344	10D	20D	1320	400	1000	300

Cable Mechanical characteristic

Cable yp	Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximun Allowable Tensile Strength(N)		Minimum Allowable Crush Load(N/100m)	
			Static	Dynamic	Short	Term	Short	Term
CC-1.6	(3.4±0.3) × (1.6±0.3)	5.2	30	60	80	40	500	100
CC-1.9	(4.0±0.3) × (1.9±0.3	8.6	30	60	200	100	500	100
CC-2.8	(5.8±0.3) × (2.8±0.3	14.7	30	60	200	100	500	100

FIBER OPTIC SPLICE CLOSURE

2-01

Multifunctional flip cover type fiber splice closure

Description

Optical splice closure provides space and protection for the fiber optic cable splicing and joint.

Fiber optic closure belongs to the accommodation of the optical fiber fusion splice section system. It is widely applied to the connection of the fiber play the roles in sealing, protection, installation of fiber connector head and storage.

Features:

1.High quality PP and Stainless Steel material can ensure harsh conditions such as vibration, impact, tensile cable distortion and strong temperature changes.

2.Solid structure, perfect outline, thunder, erosion and adding resistance.
3.Strong and reasonable structure with mechanical sealing structure, can be opened after sealing and cab be reused.

4.Well water and dust proof, unique grounding device to ensure the sealing performance, convenient for installation.

5.The splice closure has a wide application range, with good sealing performance, easy installation, produced with high strength engineering plastic housing, with anti-aging, corrosion resistance, high temperature and high mechanical strength and so on.

Application

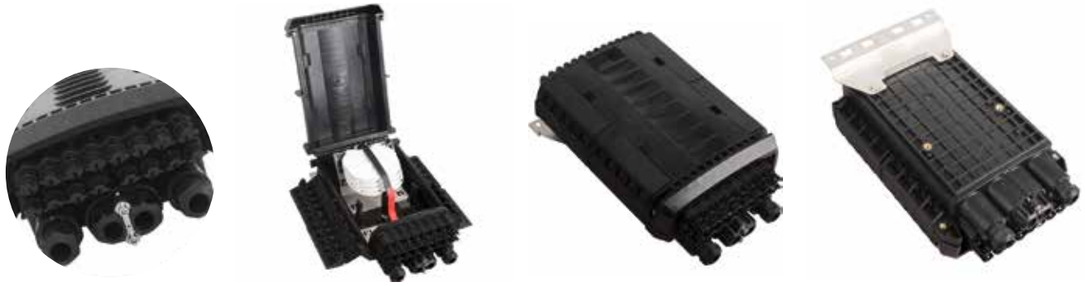
1.Wall hanging;
2.Grounding.

FOSC-F202

Specification

Product Name	4 inlet 4 outlet 288C Multifunctional flip cover type fiber splice closure	**Model**	FOSC-F202
Max install tray Number	12	**Max Capacity**	288Core
Capacity of splicing tray	12/24	**Dimension (mm):**	380*245*130
Weight	4.5KG	**Material**	PP and Stainless Steel
Ports	4 inlet 4 outlet	**IP**	IP68
Certification	CE/ISO9001	**Sealing method**	Rubber ring
Package	Carton	**Packing size**	4pcs/carton 52*42*33cm,19kg

FOSC-F203



Specification

Product Name	4 inlet 16 outlet 96C Multifunctional flip cover type fiber splice closure	**Model**	FOSC-F203
Max install tray Number	4	**Max Capacity**	96Core
Capacity of splicing tray	12/24	**Dimension (mm):**	380*245*130
Weight	4.1KG	**Material**	PP and Stainless Steel
Ports	4 inlet 16 outlet	**IP**	IP68
Certification	CE/ISO9001	**Sealing method**	Rubber ring
Package	Carton	**Packing size**	4pcs/carton 52*42*33cm,17kg

Vertical type fiber optic splice closure

Description

Fiber optic splice closure provides space and protection for the connection and splicing of optical cables. It is widely used in the connection of optical fibers and plays the role of sealing, protection, installation of optical fiber connectors and storage. Direct connection, shunt connection and related connection protection can be provided in the optical transmission link, has excellent sealing performance, convenient installation and wide application range. It is the first choice of optical fiber connection equipment.

Features:

1.High quality PC, ABS, PPR material optional, can ensure harsh conditions such as vibration, impact, tensile cable distortion and strong temperature changes.

2.Solid structure, perfect outline, thunder, erosion and adding resistance.

3.Strong and reasonable structure with sealing structure, can be opened after sealing and can be reused.

4.Well water and dust proof, unique grounding device to ensure the sealing performance, convenient for installation.

5.Splice closure has a wide range of applications and provides solid protection for optical fibers and transmission links.

Application

Overhead;
Hanging rod:
Wall hanging;
Grounding.

FOSC-M192C-01A



Specification

Product Name	Vertical type 192c fiber optic splice closure	**Model**	FOSC-M192C-01A
Max Capacity:	192c	**Material:**	PP+ABS
Max install tray number:	8	**Cable diameter range:**	10~20mm;
Port:	1 in / 4 out	**Lock:**	Self Lock, Manul Lock
Dimension:	540 x 160mm (HxD)	**Sealing:**	Mechanical
Lifespan:	>20 years	**Bracket:**	Back Bracket
IP:	IP68	**Packaging Details:**	Carton ,50x60x65cm 6pcs/box

FOSC-M144C-04A



Specification

Product Name	Vertical type 144c fiber optic splice closure	**Model**	FOSC-M144C-04A
Max Capacity:	144c	**Max install tray number:**	3
Dimension:	540x150mm (HxD)	**Sealing:**	Heat shrinking
Material:	PP+ABS	**Ports:**	8 round port ,1 oval
Port diameter :	1oval(75x36mm)8port(18mm)	**Weight:**	4kg
Package:	carton	**IP:**	IP68

FOSC-M288C-05B



Specification

Product Name	Vertical type 288c fiber optic splice closure	**Model**	FOSC-M288C-05B
Max Capacity:	288c	**Material:**	PP+ABS
Max install tray number:	8	**Sealing:**	Heat shrinking
Ribbon cable:	2tray 288c	**Adapter:**	SC simplex + 6tray 144c fiber core
Dimension:	505mm *200 mm (HxD)	**Port diameter:**	1 big oval port(74x54mm) 6 round ports(26.4mm)
Weight:	5.0kg	**IP:**	IP68
Packaging Details:	Carton ,50x60x65cm, 6pcs/box	**Lifespan:**	>20 years

FOSC-M96C-01H



Specification

Product Name	Vertical type 96c fiber optic splice closure	**Model**	FOSC-M96C-01H
Max Capacity:	96c	**Sealing:**	PP
Max install tray number:	4	**Sealing:**	Mechanical sea
Dimension:	420×140mm (HxD)	**Ports:**	2 inlet 2 outlet
Port diameter:	4 round port 16mm	**IP:**	IP68
Package:	Carton	**Lifespan:**	>20 years

FOSC-M96C-02H

Specification

Product Name	Vertical type 96c fiber optic splice closure	**Model**	FOSC-M96C-02H
Max Capacity:	96c	**Material:**	PP
Max install tray number:	4	**Port diameter :**	3 round ports(16mm) 1 oval port(25mm)
Dimension:	420×140mm(HxD)	**Ports:**	1 in/3 out
IP:	IP68	**Sealing:**	Heat shrinking
Package:	Carton	**Port diameter :**	>20 years

FOSC-M-144C-04H

Specification

Product Name	Vertical type 144c fiber optic splice closure	**Model**	FOSC-M-144C-04H
Max Capacity:	144	**Material:**	PP
Max install tray number:	6	**Port diameter :**	4 round ports(16mm) 1 oval port(25mm)
Dimension:	420x140mm(HxD)	**Ports:**	1 in/ 4 out
IP:	IP68	**Sealing:**	Heat shrinking
Package:	Carton	**Port diameter :**	>20 years

FOSC-M192C-03H

Specification

Product Name	Vertical type 192c fiber optic splice closure	**Model**	FOSC-M192C-03H
Max Capacity:	192c	**Material:**	PP
Max install tray number:	4	**Port diameter :**	4 round ports(21mm) 1 oval port(45*65mm)
Dimension:	470x205mm(HxD)	**Ports:**	1 in 4 out
IP:	IP68	**Sealing:**	Heat shrinking
Package:	Carton	**Port diameter :**	>20 years

FOSC-M288C-06H

Specification

Product Name	Vertical type 288c fiber optic splice closure	**Model**	FOSC-M288C-06H
Max Capacity:	288c	**Material:**	PP
Max install tray number:	6	**Port diameter :**	6round ports(21mm) 1 oval port(45*65mm)
Dimension:	470x205mm(HxD)	**Ports:**	1 in 6 out
IP:	IP68	**Sealing:**	Heat shrinking
Package:	Carton	**Port diameter :**	>20 years

Horizontal type fiber optic splice closure

Description

Fiber optic splice closure is mainly used for protecting the fiber optic junction between two cables and reserve a section fiber optic for maintenance in the box. The outer part and the fusing part of the closure are made of the project plastic with the virtue, has good leak-proof, anti- water and damp-proof feature and its power line is corrosion resistant. It can be place with the aerial cable or buried in earth or pipeline,and can be widely used.

Features:

1.High quality PC, ABS, PPR material optional, can ensure harsh conditions such as vibration, impact, tensile cable distortion and strong temperature changes.

2.Solid structure, perfect outline, thunder, erosion and adding resistance.

3.Strong and reasonable structure with sealing structure, can be opened after sealing and can be reused.

4.Well water and dust proof, unique grounding device to ensure the sealing performance, convenient for installation.

5.Splice closure has a wide range of applications and provides solid protection for optical fibers and transmission links.

Application

Aerial;
Grounding;
Buried.

FOSC-W288C-01

Specification

Product Name	Horizontal type 288c fiber optic splice closure	**Model**	FOSC-W288C-01
Max Capacity:	288c	**Sealing:**	PC
Max install tray number:	6	**Sealing:**	Screw tight+rubber ring
Dimension:	560x240x130mm	**Ports:**	3in 3 out
IP:	IP68	**Color :**	Black
Package:	6pcs in one carton carton size:70*51*45cm	**Lifespan:**	>20 years

FOS-W96C-02

Specification

Product Name	Horizontal type 96c fiber optic splice closure	**Model**	FOS-W96C-02
Max Capacity:	96c	**Sealing:**	PC/ABS/PP
Max install tray number:	4	**Sealing:**	Screw tight+rubber ring
Dimension:	430x190x110mm	**Ports:**	2 in 2 out
IP:	IP68	**Color :**	Black
Package:	10pcs in one carton carton size:45*42*57cm	**Lifespan:**	>20 years

FIBER OPTIC TERMINTION BOX

2-02

Technical specifications of Fiber optic termintion box

Description

The equipment is widely used as a temination point for the cable to connect with drop cable. The fiber splicing ,splitting,distribution can be done in this box,and meanwhile it provides solid protection and management for the FTTX network building. It can be used for indoor or outdoor.

Features:

1,Total enclosed structure.

2,Material. PC+ABS, wet-proof,waterproof,dustprof, anti-aging protection level up to IP65.

3,Clamping for fiber cable and drop cable,fiber splicing, fixation, storage and distribution ect all in one.

4,Cables,Pigtals,Patch Cords are running through own path wthout disturting each other, suitable for cassete type SC/LC/PLC adaptor installation ,easy maintenance.

5,The wiring tray can be turned over for easy and fast construction and maintenance.

6,Cabinets can be installed by the way of wall-mounted.suitable for both indoor and outdoor.

Specification：

1.***Environmental requirement***
Operating temperature: -40°C~+85°C, Relative humidity:≤85%(+30℃)
Atmospheric pressure:70KPa-106pa

2.***Main technical datasheet***
Insertion loss:≤0.2dB UPC retum loss:≥250dB APC retumlss:≥60dB Life of insertion and extraction >1000times

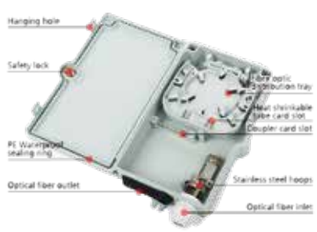
3.***Thunder-proof technical datasheet***
The grounding device is isolation with the cabinet.Isolation resistance is less than 2x10^4MΩ500V(DC),IR≧2×10^4 MΩ/500V
The wistand vpltage between grouding device and cabinet is no less than 3000V(DC)/min,-no ,no flashover; U≥3000V

OTB-2C-01


Specification

Product Name	Fiber Optic Distribution Box	**IP Rate**	IP65
Product Model	OTB-2C-01	**Product Size**	210*135*40mm
Ports	1inlet ,2 /4outlet	**Packing Quantity**	50 pcs / carton 43*29*58cm16kg
Compatible with	2core adapters& pigtails	**Material**	ABS
Installation Type	Wall / pole-mounted	**Gross Weight**	0.4kg

OTB-4C-01




Specification

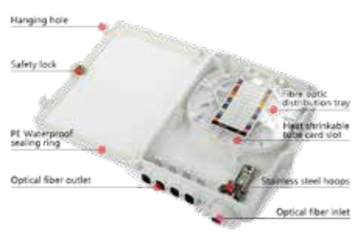
Product Name	Fiber Optic Distribution Box	**IP Rate**	IP65
Product Model	OTB-4C-01	**Product Size**	210*120*40 mm
Ports	1 inlet port φ12.5mm 4 out port 2*3mm	**Packing Quantity**	40 pcs / carton 55*45*30cm 15.3kg
Suitable for	1:4 PLC splitter or 4 core adapter pigtail	**Material**	PC ABS
Installation Type	Wall / pole-mounted	**Gross Weight**	0.4kg

OTB-6C-01


Specification

Product Name	Fiber Optic Distribution Box	**IP Rate**	IP65
Product Model	OTB-6C-01	**Product Size** **Inner Box Size**	195*145*43 mm 200*152*55mm
Ports	1 inlet port φ8.5mm 2/4/6 out port 3*6mm	**Packing Quantity**	50 pcs / carton 43*29*58cm 16kg
Compatible with	1:4 PLC splitter or 6 core adapter pigtail	**Material**	PC ABS
Installation Type	wall / pole-mounted	**Gross Weight**	0.4kg

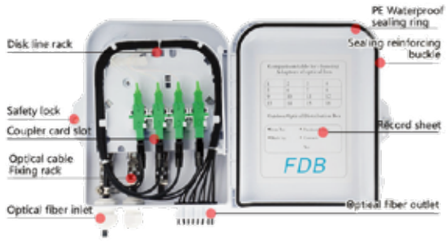
OTB-8C-01




Specification

Product Name	Fiber Optic Distribution Box	**IP Rate**	IP65
Product Model	OTB-8C-01	**Product Size**	230*165*45 mm
Ports	1 inlet port 12.5mm 8 out port 3.5mm	**Packing Quantity**	40 pcs / carton 50*39*62cm 24.5kg
Compatible with	1:8 PLC splitter or 8 core adapter pigtail	**Material**	PC ABS
Installation Type	Wall / pole-mounted	**Gross Weight**	0.5kg

OTB-8C-02



Specification

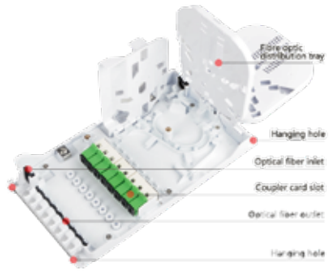
Product Name	Fiber Optic Distribution Box	**IP Rate**	IP65
Product Model	OTB-8C-02	**Product Size** **Inner Box Size**	240*190*55 mm 260*200*60 mm
Ports	2 inlet port 12.5 mm / 8 out port 9.5 mm	**Packing Quantity**	20 pcs / carton 52*44*34cm 11kg
Compatible with	1:8 cassette splitter or 8 core adapter pigtail	**Material**	ABS
Installation Type	wall / pole-mounted	**Gross Weight**	0.5kg

OTB-8C-04

Specification

Product Name	Fiber Optic Distribution Box	**IP Rate**	IP65
Product Model	OTB-8C-04	**Product Size** **Inner Box Size**	190*130*45 mm 200*135*50 mm
Ports	2 inlet port 10 mm / 8 out port 8×10 mm	**Packing Quantity**	40 pcs / carton 43*28.5*55cm 13kg
Compatible with	1:8 mini splitter or 8 core adapter pigtail	**Material**	ABS
Installation Type	wall / pole-mounted	**Gross Weight**	0.3kg

OTB-8C-03



Specification

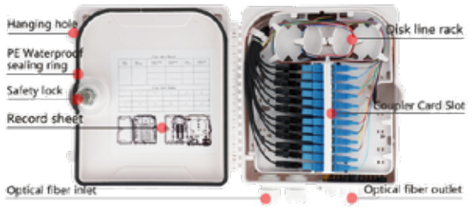
Product Name	Fiber Optic Distribution Box	**IP Rate**	IP65
Product Model	OTB-8C-03	**Product Size** **Inner box size**	235*125*50 mm 245*135*58 mm
Ports	1 inlet port 10×20 mm / 8 out port 5 mm	**Packing Quantity**	20 pcs / carton 56.5*25*32cm 10kg
Compatible with	1:8 mini splitter or 8 core adapter pigtail	**Material**	ABS
Installation Type	Wall / pole-mounted	**Gross Weight**	0.6kg

OTB-12C-01

Specification

Product Name	Fiber Optic Distribution Box	**IP Rate**	IP65
Product Model	OTB-12C-01	**Product Size**	260*225*80 mm
Ports	2 inlet port φ12.5mm 2 out port φ12.5mm	**Packing Quantity**	30 pcs / carton 54*43*71cm 26kg
Compatible with	1:8 cassette splitter or 12 core adapter pigtail	**Material**	PP
Installation Type	Wall / pole-mounted	**Gross Weight**	0.65 kg

OTB-12C-02



Specification

Product Name	Fiber Optic Distribution Box	**IP Rate**	IP65
Product Model	OTB-12C-02	**Product Size** **Inner Box Size**	240*205*70 mm 250*230*70 mm
Ports	2 inlet port 12.5mm / 12 out port 9.5mm	**Packing Quantity**	10 pcs / carton 51*46*38cm 21.2kg
Compatible with	1:8 PLC splitter or 12 core adapter pigtail	**Material**	ABS
Installation Type	wall / pole-mounted	**Gross Weight**	1.1kg

OTB-16C-01

Specification

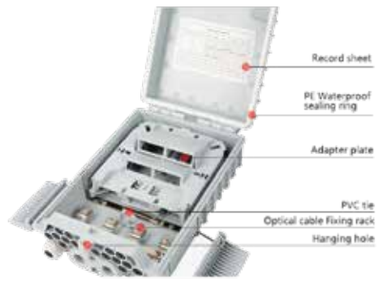
Product Name	Fiber Optic Distribution Box	**IP Rate**	IP65
Product Model	OTB-16C-01	**Product Size**	260*220*125
Ports	2 in 16 out	**Packing Quantity**	10 pcs / carton 65*28*45cm13kg
Compatible with	PLC Splitter 2 pcs of 1x8	**Material**	Strengthen ABS+PC
Installation Type	wall / pole-mounted	**Gross Weight**	1.3kg

OTB-16C-02

Specification

Product Name	Fiber Optic Distribution Box	**IP Rate**	IP65
Product Model	OTB-16C-02	**Product Size** **Inner Box Size**	310*235*110 mm 325*250*120 mm
Ports	2 inlet port 12.5mm 16 out port 11.5mm uncut design midspan port	**Packing Quantity**	10 pcs / carton 66*26*58cm 14.6kg
Compatible with	1:16 cassette splitter or 16 core adapter pigtail	**Material**	PC ABS
Installation Type	wall / pole-mounted	**Gross Weight**	1.45kg

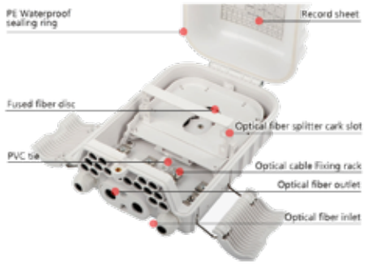
OTB-16C-03



Specification

Product Name	Fiber Optic Distribution Box	**IP Rate**	IP65
Product Model	OTB-16C-03	**Product Size**	292*180*95 mm 295*190*95 mm
Ports	4 inlet port 12.5mm 16 out port 11.5mm	**Packing Quantity**	15 pcs / carton 58*31*49cm 18kg
Compatible with	16 core adapter pigtail / 1:16 mini plc Splitter	**Material**	ABS
Installation Type	Wall mounted	**Gross Weight**	1.2 kg

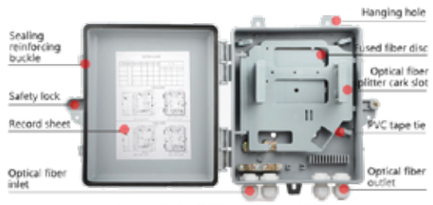
OTB-16C-04



Specification

Product Name	Fiber Optic Distribution Box	**IP Rate**	IP65
Product Model	OTB-16C-04	**Product Size Inner Box Size**	280*180*100 mm
Ports	4 inlet port 12.5mm / 16 out port 12.2mm midspan port uncut desig	**Packing Quantity**	10 pcs / carton 62*32*40cm 11kg
Compatible with	1:16 cassette splitter	**Material**	ABS
Installation Type	Wall	**Gross Weight**	1.1 kg

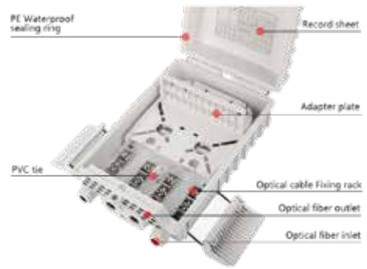
OTB-24C-02



Specification

Product Name	Fiber Optic Distribution Box	**IP Rate**	IP65
Product Model	OTB-24C-02	**Product Size Inner Box Size**	270*235*90 mm
Ports	2 inlet port φ12.5mm 2 out port φ12.5mm	**Packing Quantity**	30 pcs / carton 71*54*46cm 23kg
Compatible with	1:16 cassette splitter or 24 core adapter pigtail	**Material**	PP/ABS/ PC
Installation Type	Wall / pole-mounted	**Gross Weight**	0.8kg

OTB-24C-01



Specification

Product Name	Fiber Optic Distribution Box	**IP Rate**	IP65
Product Model	OTB-24C-01	**Product Size**	280*170*95 mm
Ports	4 inlet port 12.5mm / 24 out port 9.5mm midspan port uncut design	**Packing Quantity**	10 pcs / carton 40*30*52cm 11kg
Compatible with	24 core adapter pigtail	**Material**	ABS
Installation Type	Wall	**Gross Weight**	1 kg

OTB-24C-03

Specification

Product Name	Fiber Optic Distribution Box	**IP Rate**	IP65
Product Model	OTB-24C-03	**Product Size**	330*240*100 mm
Ports	2 inlet port φ12.5 mm 24 out port φ6/11 mm	**Packing Quantity**	10 pcs / carton 58*36*52cm 21kg
Compatible with	1:16 cassette splitter or 24 core adapter pigtail	**Material**	PC ABS
Installation Type	wall / pole-mounted	**Gross Weight**	2 kg

OTB-24C-04

Specification

Product Name	Fiber Optic Distribution Box	**IP Rate**	IP65
Product Model	OTB-24C-04	**Product Size**	320*270*105 mm 340*280*105 mm
Ports	2 inlet port φ15mm 24 out port φ9.7mm	**Packing Quantity**	10 pcs / carton 66*59*36cm 16kg
Compatible with	1:16 cassette splitter or 24 core adapter pigtail	**Material**	PC ABS
Installation Type	wall / pole-mounted	**Gross Weight**	1.5kg

OTB-36C-01

Specification

Product Name	Fiber Optic Distribution Box	**IP Rate**	IP65
Product Model	OTB-36C-01	**Product Size**	340*270*115 mm 370*300*120 mm
Ports	3 inlet port φ15mm 32+1 out port φ5mm φ11.5mm	**Packing Quantity**	10 pcs / carton 66*38*70cm 20kg
Compatible with	1:32 cassette splitter or 36 core adapter pigtail	**Material**	ABS
Installation Type	wall / pole-mounted	**Gross Weight**	1.85kg

OTB-48C-01

Specification

Product Name	Fiber Optic Distribution Box	**IP Rate**	IP55
Product Model	OTB-48C-01	**Product Size**	420*350*130 mm
Ports	2 inlet port φ30mm 2 out port φ18mm As Spare φ12mm	**Packing Quantity**	6 pcs / carton 72*43*45cm 14.8kg
Compatible with	1:32 cassette splitter or 48 core adapter pigtail	**Material**	PP/ABS/ PC
Installation Type	wall / pole-mounted	**Gross Weight**	2.5kg

OTB-48C-02

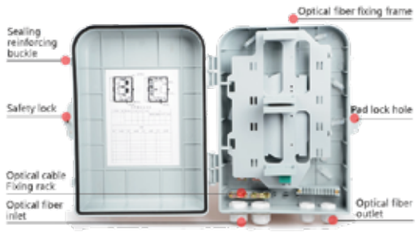
Specification

Product Name	Fiber Optic Distribution Box	**IP Rate**	IP65
Product Model	OTB-48C-02	**Product Size**	340*270*115 mm 370*300*120 mm
Ports	2+1 inlet port φ15mm 48(24*2) out port φ12mm	**Packing Quantity**	10 pcs / carton 66*38*70cm 20kg
Compatible with	1:32 cassette splitter or 48 core adapter pigtail	**Material**	ABS
Installation Type	wall / pole-mounted	**Gross Weight**	1.85kg

FIBER OPTIC FACEPLATE BOX

2-03

OTB-48C-03



Specification

Product Name	Fiber Optic Distribution Box	**IP Rate**	IP55
Product Model	OTB-48C-03	**Product Size**	410*290*125 mm
Ports	2 inlet port φ12.5mm 2 out port φ12.5mm	**Packing Quantity**	10 pcs / carton 57*41*61cm 13.4kg
Compatible with	1:32 cassette splitter or 48 core adapter pigtail	**Material**	PP/ABS /PC
Installation Type	Wall mounted/Pole Mounted	**Gross Weight**	2.0kg

OTB-72C-01

Specification

Product Name	Fiber Optic Distribution Box	**IP Rate**	IP55
Product Model	OTB-72C-01	**Product Size**	410*345*180 mm 420*350*185 mm
Ports	2 inlet port 30mm 2 out port 25mm 2 As Spare 12mm	**Packing Quantity**	6 pcs / carton 73*43*58cm 18kg
Compatible with	1:32 cassette splitter or 72 core adapter pigtail	**Material**	PC ABS
Installation Type	wall / pole-mounted	**Gross Weight**	2.8kg

Description

Fiber optic face plate is a product that realizes optical fiber to desktop and user terminal, and the internal space design is reasonable. Used in home or work area to complete the access and port output of dual core optical fiber, which can fully meet the requirements of optical fiber bending radius and protect the incoming and outgoing optical fiber. An appropriate radius of curvature allows the inventory of a small amount of redundant optical fibers to realize the application of FTTD (optical fiber to desktop) system.

Features:

1.It is used for different kinds of modules and applied to the working area subsystem.

2.It uses embedded surface frame, easy to install and disassemble, i is with protective door,and dusty free;can do OEM for any customers and print request LOGO.

3.With application of fiber SC/LC simplex, duplex and other different environment installed, surface installation and concealed installation. All modules can be configured on customers choice.

4. All modules are free of welding.

Application:

1.Telecommunication network, metropolitan area network, optical fiber communication system.

2. Optical testing equipment/instrument.

3..CATV optical fiber, optical fiber sensor.

4.Optical fiber broadband access network, FTTH optical fiber.

5.Optical fiber distribution frame, frame type and wall type optical fiber distribution unit.

FP-1C-01

Specification

Product Name	Fiber Optic Face Plate	**Model**	FP-1C-01
Port	1 Optic	**Product Size**	120*90*25mm
Working environment	Indoor	**Installation Type**	Wall mounted
Color	White	**G.weight**	75g
Application	Drop cable	**Adapter**	SC simplex /LC duplex
Tensile strength	>50N	**Working temperature**	-40~+85°C

FP-1C-02

Specification

Product Name	Fiber Optic Face Plate	**Model**	FP-2C-02
Port	1 Optic	**Product Size**	128*86*23mm
Working environment	Indoor	**Installation Type**	Wall mounted
Color	White	**G.weight**	82 g
Application	Drop cable	**Adapter**	SC simplex /LC duplex
Tensile strength	>50N	**Working temperature**	-40~+85°C

FP-4C-01

Specification

Product Name	Fiber Optic Face Plate	**Model**	FP-4C-01
Port	4 Optic	**Product Size**	100*85*28mm
Working environment	Indoor	**Installation Type**	Wall mounted
Color	White	**G.weight**	80g
Application	Drop cable	**Adapter**	SC simplex /LC duplex
Tensile strength	>50N	**Working temperature**	-40~+85°C

FP86-2C-04

Specification

Product Name	Fiber Optic Face Plate	**Model**	FP86-2C-04
Port	2 Optic	**Product Size**	86*86*28mm
Working environment	Indoor	**Installation Type**	Wall mounted
Color	White	**G.weight**	50g
Application	Drop cable	**Adapter**	SC simplex /LC duplex
Tensile strength	>50N	**Working temperature**	-40~+85°C

CONNECTORS AND ADAPTORS

3

ADAPTER 3-01

Description：

Fiber adapter can insert optical fiber connectors of the same or different interface types at both ends to realize the conversion between FC, SC, ST, LC, MTRJ, MPO, E2000 and other different connector, and provide a complete set of solutions for multimode and single-mode optical fiber applications. It is widely used in optical fiber distribution frame (ODF), optical fiber communication equipment, instruments, etc, with excellent performance, stability and reliability.

SC-APC

SC

LC-UPC

MPO

FC

Specification

Parameter	Unit	LC, SC, FC, ST		
		SM		MM
		UPC	APC	PC
Insertion Loss (Typical)	dB	≤0.2	≤0.2	≤0.2
Return Loss	Unit	≥50	≥60	≥30
Exchangeability	dB	≤0.2		
Return Loss	dB	≤0.2		
Durability	Time	>1000		
Operating Temperature	°C	-40~75		
Storage Temperature	°C	-45~85		

Product features:

1Fast and easy on-site installation with stability;
2Eliminated field polishing;
3No adhesives or electrical power required;
4Reduced connection defect rate by re-assembling;
5Compatible with a variety of optical cables.

Application:

1Fiber Optic Telecommunications
2FTTH(Fiber To The Home)
3CATV & CCTV
4Data Processing Networks
5Telecom Equipment
6Local Area Networks

FAST CONNECTOR 3-02

Description：

Fast Field Assembly Optical Connector is designed to manage on-site fiber connections with ease of maintenance for installers. It does not require additional splicing or adhesives. It reduces connection defect rate by allowi eral times in the field.

SC-UPC

SC

LC-UPC

SC-APC

Specification

Item	Parameters
Polish	APC/UPC
Cable Scope	2.0mm/3.0mm drop cable 900μmTight buffer
Optical fiber	125μm (G652D & G657A/B)
Fiber mode	Single mode
Insertion loss	<0.3dB
Return loss	> 50dB
Fiber strength	5N
Tensile strength (3mm round cable)	>50N
Durability	>1000times
Working Temperature	-40℃ ~ +80℃

Product features:

1Fast and easy on-site installation with stability;
2Eliminated field polishing;
3No adhesives or electrical power required;
4Reduced connection defect rate by re-assembling;
5Compatible with a variety of optical cables.

Application:

1Fiber Optic Telecommunications
2FTTH(Fiber To The Home)
3CATV & CCTV
4Data Processing Networks
5Telecom Equipment
6Local Area Networks

PATCH CORD& PIGTAIL

3-03

MPO/MTP

Description：

MTP trunk cable is a cost-effective substitute for field terminal. It is designed for high-density optical fiber wiring in data center, which can save space and reduce cable management problems. With US Conec MTP connector and Corning fiber, it is optimized for 40G and 100G fiber direct connection and high-density data center applications.

Specification

Applicable connector type	MPO/MTP,Male / female optional	**Fiber array**	Norm A/B
Fiber type	SM/MM	**Fiber account**	24core or 12core or 8core
Operating wavelength range	850nm, 1300nm	**Test wavelength**	850nm, 1300nm
Insertion loss	Typical value ≤0.40dB, maximum value ≤0.50dB	**Return loss**	≥35dB
Max.attenuation	3.0/1.0(dB/km)	**Repeatability**	≤0.10dB
Durability	Insert and remove 1000 typical changes ≤ 0.20dB	**Curvature radius**	10 ～ 25mm
Operating temperature	Multi-core jumper use temperature, -20 ° C to +70 ° C SFP module temperature	**Storage temperature**	-40℃ to +85℃
Cable external diameters	3.0mm	**Length/M**	Customizable
Outer sheath material	LSZH/OFNP	**Standard**	TIA-568-C, ISO/IEC 11801

features:

1.US Conec MTP Connector & Corning Fiber;
2.High-density Connections for 40G/100G/200G/400G;
3.Optimize cable management, accelerate deployment,increase flexibility and manageability.
4.Low insertion loss for SFP modules;
5.Compliant with TIA/EIA604-5, TIA-568-C, IEC61754-7.

Application:

1Fiber Optic Telecommunications
2FTTH(Fiber To The Home)
3Data center
4Data Processing Networks
5elecom Equipment
6Local Area Networks

FIBER OPTIC BREAK OUT PATCH CORD

Description：

Fiber optic break out patch cord can connect with different types of connectors such as ST, FC, SC, LC or MU. With the high-quality ceramic ferrule, it has good conformity and low Insertion Loss. And it is widely used in the Telecommunication Networks, Data Transmission, Test Equipment and the LAN of CATV etc.



Specification

Item	Specifications
Applicable connector type	MPO/MTP,Male / female optional
Fiber type	Single mode： G652D,G657A1/A2.Multimode:OM1,OM2,OM3,OM4,OM5.
Fiber Count	12,24,48,96 fibers,customized
Insertion loss	<0.3dB
Return loss	UPC>50dB, APC>60dB
Breakout diameter	0.9mm/2.0mm/3.0mm
Breakout length	About 1.2M
Cable Jacket	PVC/LSZH/OFNP
Wavelength	1310/1550nm
Operating temperature	-40℃ ~ +85℃
Storage temperature	-40℃ ~ +85℃

features:

1100% pre terminated and factory tested to ensure transmission performance;
2Same wuantity of cores, smaller volume, more convenient for optical cable management;
3Support 40G and 100G network applications;
4Stable transmission for high-density applications;
54f-144f are supported, which can be customized.

Application:

1Fiber Optic Telecommunications
2FTTH(Fiber To The Home)
3Data Processing Networks
4Telecom Equipment
5Local Area Networks

ARMORED FIBER OPTIC PATCH CORD

Description：

CCOFC Armored fiber optic patch cord with build-in metal armor can provide stronger protection of the optical fibers than standards fiber optic cables. The rugged armored cables allow optical fiber to be installed in the most hazardous areas, including environments with slight dust, oil, gas, moisture, or even damage-causing rodents and pests.


Specification

Fiber type	Single mode: 9/125μm, ITU- G.657A / ITU-G.652D	Connector type	SC/LC/FC/STUPC(Blue) /APC(Green)
Fiber brand	Corning/YOFC	Polish	UPC(PC) / APC
Insertion Loss	≤0.2dB	Return Loss	≥60dB
Cord type	Simplex/Duplex	Cable diameter	3.0mm/2.0mm
Test Wavelength	1310/1550nm	Durability (500 Matings)	≤0.2dB
Cable jacket	LSZH / PVC	Length(M)	1m,3m,5m,10m,25m, 50m,100m,customized
Storage Temperature	-40℃~+85℃	Operating Temperature	-40℃~+75℃
Fire Resistant	IEC 60794-2-30	Standards-Compliant	ROHS,IEC GR-326, ISO9001:2015

features:

1.Carrier-grade Cable with Guaranteed Quality;
2.The armored protective layer can provide better protection for optical fiber and is suitable for all kinds of harsh environments;
3.There is no need to worry about the damage to optical fiber caused by construction, which is more convenient and safe;
4.Resistance to lateral pressure, bending, ant and rat bite;
5.Soft and flexible, convenient connection and wiring.

Application:

1.Fiber Optic Telecommunications
2.FTTH(Fiber To The Home)
3.Data Processing Networks
4.Telecom Equipment
5.Local Area Networks

FIBER OPTIC DROP CABLE

Description：

Fiber optic drop cable is constructed with one or two single-mode fiber (G.657A). The fiber is protected by a dielectric strength member made of fiberglass reinforced plastic (FRP), steel wire and LSZH outer jacket. Designed for indoor and outdoor installation, it is well suited for connections between each unit and the construction of FTTH project.

Specification

Cable Type	Fiber optic drop cable	**Cable Diameter**	3.0mm round cable (2.0±0.2)×(3.0±0.2)mm (3.0±0.2)×(5.0±0.2)mm (2.0±0.2)×(5.0±0.2)mm
Fiber Count	1 or 2Fibers	**Fiber Type**	Single mode G.657A
Connector	SC/LC/FC/ST	**Outer Jacket Material**	LSZH (Black/White)
Polish	APC/UPC	**Strength Member Material**	FRP/ steel wire
Length(M)	10M,20M,50M,100M,Customized	**Crush Load (long/short term)**	300/1000 (N/100mm)
Bending Radius (long/short term)	10D/20D (mm)	**Tensile Strength (long/short term)**	100/200N
Operating Temperature	-40℃ ~ +80℃	**Storage Temperature**	-40℃ ~ +80℃

features:

1.Low insertion loss；
2.High return loss；
3.Good repeatability；
4.Good exchangeability;
5.High temperature stability;
6.With anti-rodent and flame- retardant feature;
7.Connectivity durability： 1,000 times,

Application:

1.Fiber Optic Telecommunications
2.FTTH(Fiber To The Home)
3.Data Processing Networks
4.Telecom Equipment
5.Local Area Networks

COMMON JUMPER

Description：

All fiber patch cords undergo stringent testing for both insertion loss and return loss at the factory before shipment to ensure that only quality product is delivered to the customer. CCOFC offers UPC /APC polish on the LC,SC, FC,ST ,E2000 and MU connector. CCOFC has tight tolerances regarding the rotation of the ferrule to maintain low insertion loss values.

Specification

Mode	Single mode		Multi mode
Polish	UPC	APC	PC
Insertion Loss	≤0.2dB	≤0.2dB	≤0.2dB
Return Loss	≥50dB	≥60dB	≥35dB
Test Wavelength/SM	1310/1550nm	**Test Wavelength/MM**	850/1310nm
Storage Temperature	-40℃~+85℃	**Fire Resistant**	IEC 60794-2-30
Durability(500 Mating)	≤0.2dB	**Operating Temperature**	-20℃~+70℃
Fiber type SM	Single mode: 9/125-G652D 9/125-G655 9/125-G657A1,G657A2	**Fiber type MM**	Multimode: 62.5/125-OM1 50/125-OM2 50/125-OM3 50/125-OM4
Fiber brand	YOFC, Corning	**Connector type**	SC, LC, FC, ST, E2000, MU, MTRJ, MPO/MTP, SMA, DIN
Cord type	Simplex, Duplex	**APC angle-polished**	8°
Cable diameter	0.9mm, 2.0mm, 3.0mm,customized	**Cable jacket**	LSZH,Dca
Length(M)	0.3m,1m,2m,3m,5m,10m,25m, 50m,100m,customized	**Standards-Compliant**	CE,ROHS,IEC ISO9001:2015

features:

1.Low insertion loss；
2.High return loss；
3.Good repeatability；
4.Good exchangeability;
5.High temperature stability;
6.With anti-rodent and flame- retardant feature;
7.Connectivity durability： 1,000 times,

Application:

1.Fiber Optic Telecommunications
2.FTTH(Fiber To The Home)
3.Data Processing Networks
5.Telecom Equipment
6.Local Area Networks

PLC splitter

4

Description：

PLC splitter is a device used to realize the shunting and combining of fiber energy. It distributes the optical energy transmitted in one optical fiber to two or more optical fibers according to a predetermined proportion, or combines the optical energy transmitted in multiple optical fibers into one optical fiber. It has small volume, high reliability, wide working wavelength range and good uniformity between channels. It is widely used to realize optical signal power beam splitting in PON networks. We offer a full range of 1xn and 2xn splitter products, customized for specific applications.

Cassette Type

(BOX)Module Type

(Mini)Blockless Type

item	Parameters								
Wavelength(nm)	1260-1650								
Input&output	1×4	1×8	1×16	1×32	1×64	2×4	2×8	2×16	2×32
Insertion Loss (with connector)(dB)	≤7.4	≤10.5	≤13.8	≤17.1	≤20.4	≤7.5	≤10.8	≤14.1	≤17.4
Uniformity (dB)	≤0.8	≤0.8	≤1.0	≤1.3	≤2.0	≤1.0	≤1.0	≤1.5	≤2.0
PDL(dB)	≤0.17	≤0.19	≤0.17	≤0.2	≤0.19	≤0.18	≤0.19	≤0.19	≤0.14
Return Loss(dB)	UPC≥50 APC≥55								
Directivity(dB)	≥55								
Working Temperature (℃)	-40 ～ +85								
Storage Temperature(℃)	-40 ～ +85								

Product features:

1.High uniformity;
2.Low insertion loss;
3.Compact & small size;
4.High reliability and stability;
5.Single Mode Fiber Type G657A.
6.Optional input and output;

Application:

1.Fiber Optic Telecommunications
2.FTTH(Fiber To The Home)
3.Data Processing Networks
4.Telecom Equipment
5.Local Area Networks