



Guangdong ChangchengCommunication Technology CO.LTD

FTTH PRODUCT&SOLUTION ONE STOP MANUFACTURER



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GUANGDONG CHANGCHENG
COMMUNICATION TECHNOLOGY CO.,LTD

01-18

OPTICAL CABLE

OUTDOOR OPTICAL CABLE

ADSS	01		
GYFTY	02	GYTC8S	05
GYTA	03	GYTS	06
GYTA53	04	GYXTW	07

OUTDOOR RIBBON CABLE

GYDTA-144B1	08
GYFDA	09
GYXTW-288B1.3	10

OPGW

OPGW	11
------	----

DROP CABLE

GJX(F)H	12
GJYX(F)CH	13

AIR BLOWN OPTICAL CABLE

GCYFXTY-XB1.3	14
---------------	----

INDOOR OPTICAL CABLE

GJFJV	15
GJFJZY	16
GJFJBV(BOC)	17
GJFJBV	18

19-27

**FIBER
OPTIC SPLICE
CLOSURE**

28-39

**FIBER OPTIC
TERMINATION BOX**

40-42

**FIBER OPTIC
FACEPLATE BOX**

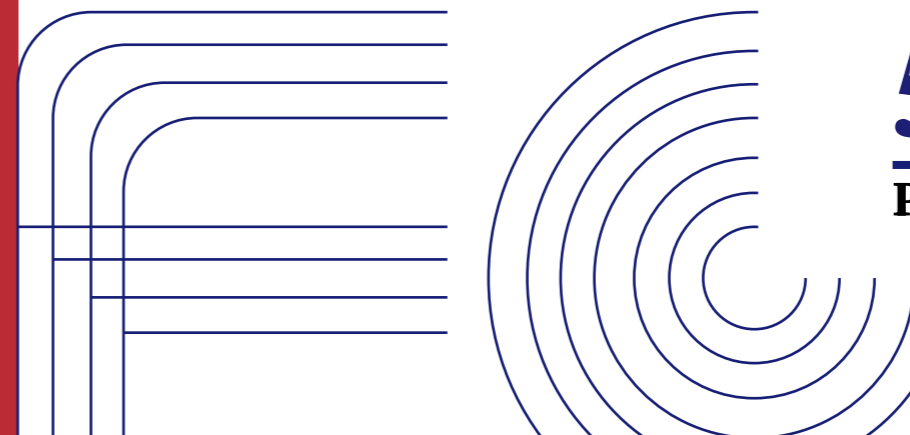
43-50

**CONNECTORS AND
ADAPTORS**

PATCH CORD&PIGTAIL

51

PLC SPLITTER



BRANDSTORY

The famous Chinese writer Mu Xin said, "In the past, the carriage was very slow, the letters were far away, and only one person was loved in one life." It talked about the communication methods in the 1970s and 1980s. People's desire for high-speed communication never stops. With the continuous development of 2G/3G/4G/5G communication network, "Changcheng Communication was born".



COMPANY PROFILE

In 2014, Guangdong Changcheng Communication Technology Co., Ltd. was established. The company is located in Dongguan, a world-famous manufacturing base. The world-famous “world factory” is relying on the high-tech industry to turn around perfectly. The company is established between Songshan Lake and Foling Lake. It covers an area of 12 acres, with green water and green mountains and pleasant environment.

The company adheres to quality and continuously improves its influence. It has obtained ISO90001:2015 quality system certification, CE certification, ROHS certification, UL certification, etc., and has obtained the recognition of “National High-tech Enterprise” and “Guangdong Excellent Communication Maintenance Product” . "China's outstanding optical cable brand" and other honorary titles.

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COMPANY CULTURE

Enterprise spirit

Integrity—Information world, communication wins the future. Changcheng communication has long believed in winning the market with integrity and casting the brand with quality.

Service - Excellent service quality and good customer relationship are the foundation for the survival and development of Changcheng Communication.

Innovation - The loftiest towers are built up from the ground, science and technology are the first in a long journey. In the future, Chang Cheng Communication will continue to uphold dedication and innovation, and strive to develop more international and modern fiber optic communication products.

Enterprise philosophy

Pursue the goal - Industry to prosper the nation and practical action helps it thrive. Let the national industry go to the world, and create wealth for the country, enterprises and employees.

Business principles - steady development, win-win cooperation, and create a better future.

Development motivation - A team with professionalism, and provide greater development space; Bring more honor to the team and more reward to the individual.

Core competitiveness - Our team has been committed to the communication industry for 21 years and has rich experience in building the ecological chain of optical integrated cabling products.

COM
GLO

COMPANY
RY



COMPANY
GLORY



SALES DISTRIBUTION MAP

EUROPE

France
Spain
Italy
Britain

NORTH AMERICA

Mexico
Panama
U.S.A

MIDDLE EAST REGION

Saudi Arabia
Oman
Jordan

ASIA

Thailand
Malaysia
The Philippines
Singapore
Indonesia

Peru
Ecuador
Uruguay

SOUTH AMERICA

AFRICA

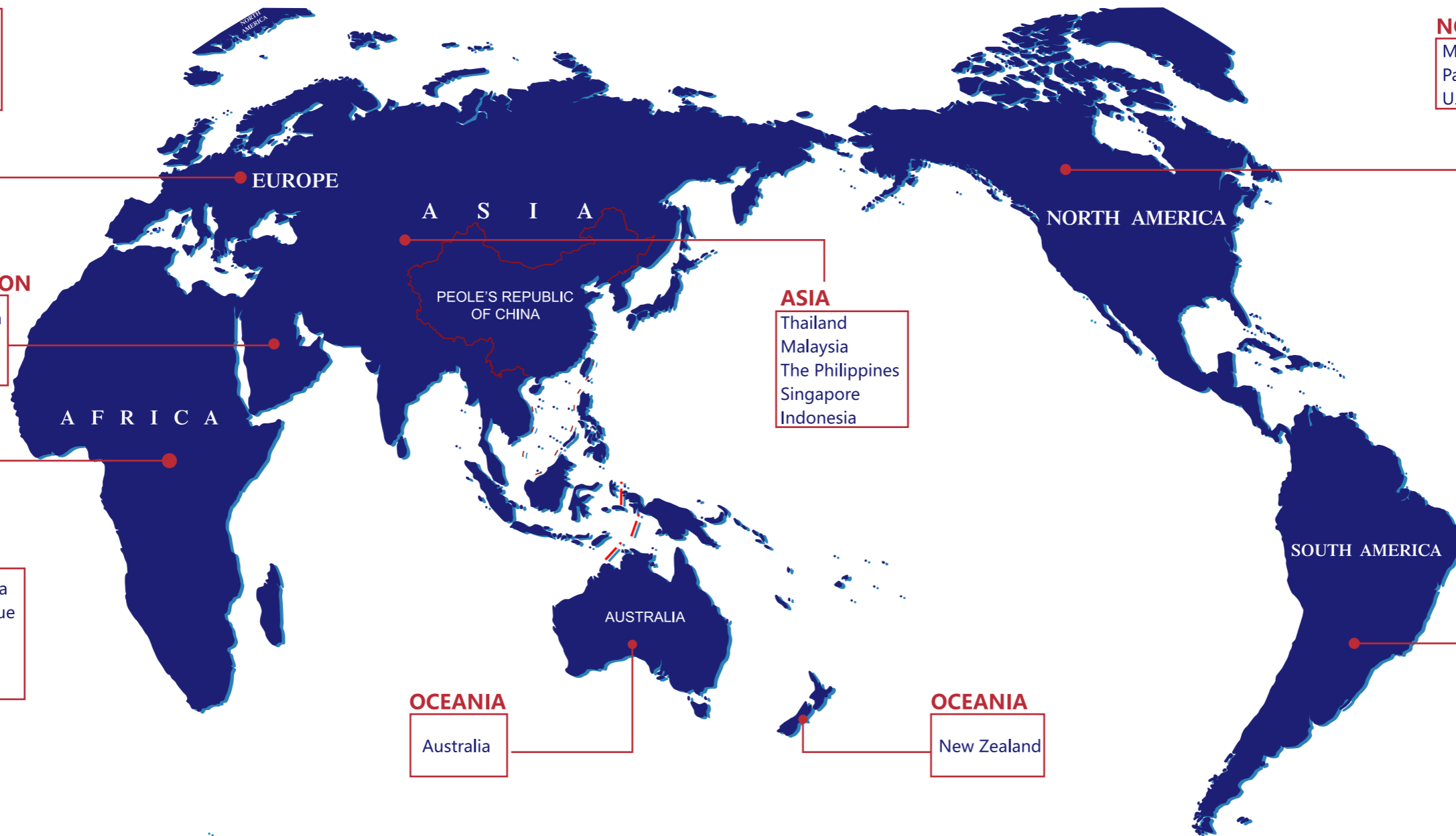
South Africa
Mozambique
Kenya
Zambia
Senegal

OCEANIA

Australia

OCEANIA

New Zealand





Guangdong Changcheng Communication Technology Co., Ltd. focuses on product development and research. It has five major categories of communication optical cables, passive optical components, active optical devices, various communication cabinets and data cables. Optical fiber communication products are the main carriers for communication signal transmission and are widely used. Communication, electricity, railways, water conservancy, urban government projects, real estate and other aspects. High-precision research and development, wide-area production, and all-round sales services make Changcheng Communication's products have a wide range of applications, and the radiation area of customers is increasing.

As a well-known manufacturer of optical communication integrated transmission and FTTH/FTTX solutions, Changcheng Communication Company has been recognized by more and more customers in China and the world with its superior product quality. We have participated in influential and representative communication technology industry exhibitions in Germany, France, India, Egypt, Vietnam and Singapore. Long-term sales in France, Australia, Kenya, Vietnam and other countries.



Over the years, the company has continuously implemented research and development and innovation, and continues to promote internationalization strategies. The company's products are of good quality and have been well received and recognized by customers. Changheng's customers have covered more than 60 countries around the world, and have long-term cooperative customers such as telecom communication operators, high-speed, railway and electric power in China.



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.



Product description:

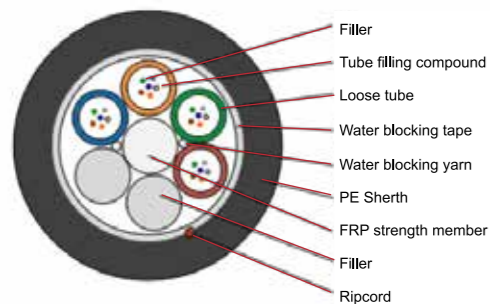
The GYFTY fibre optic cable is constructed with a 250µm fibre optic cable in a high modulus material pine tube filled with a waterproof compound. At the centre of the core is a glass fibre reinforced plastic (FRP) and the loose tube (and filler rope) is twisted around the central reinforcement to form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



Product description:

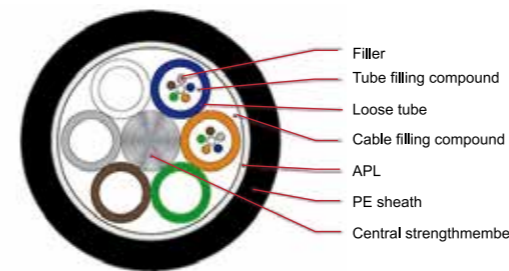
GYTA fibre optic cables are constructed with 250µm fibre optic fibres in a high modulus material pine tube, which is filled with a waterproof compound. At the centre of the core is a metal reinforcement core, which for some cores is also extruded with a layer of polyethylene (PE). The loose sleeving (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

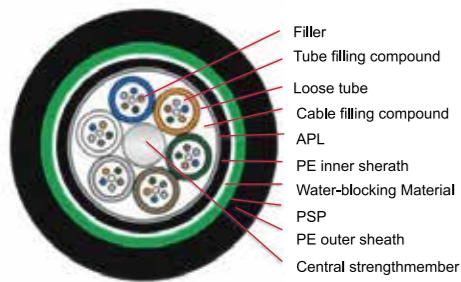
Fiber Number	Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximum Allowable Tensile Strength(N)		Minimum Allowable Crush Load(N/100m)	
			Static	Dynamic	Short	Term	Short	Term
2~36F	9.9	85	99	198	1500	600	1000	300
38~72F	10.3	90	103	206	1500	600	1000	300
74~96F	11.6	115	116	232	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

Cable Mechanical characteristic

Fiber Number	Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximum 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.

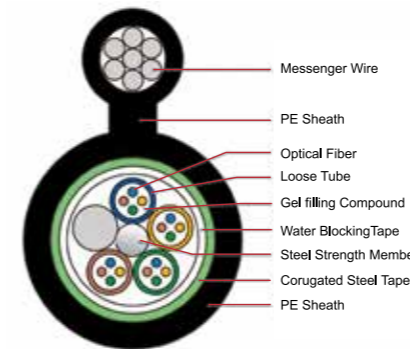
- 1.Outdoor communication system wiring
2. Directly buried

Cable Mechanical characteristic

Fiber Number	Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximum 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)		Maximum 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 :

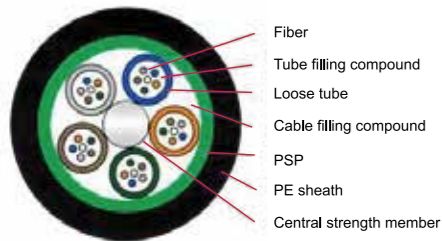
GYTA fibre optic cables are constructed with 250µm fibre optic fibres in a high modulus material pine tube, which is filled with a waterproof compound. At the centre of the core is a metal reinforcement core, which for some cores is also extruded with a layer of polyethylene (PE). The loose sleeving (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 armoring

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)		Maximum 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 :

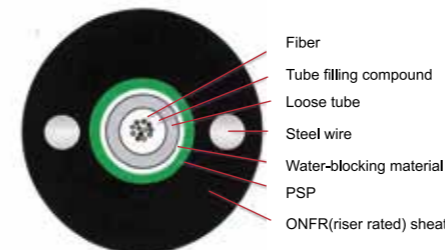
The GYXTW fibre optic cable is constructed by placing 250µm m fibres in a loose tube made of high modulus plastic.. The tubes are filled with a waterresistant filling compound. The tube is wrapped with a layer of PSP longitudinally.Between the PSP and the loose tube waterblocking material is applied 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)	Maximum 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



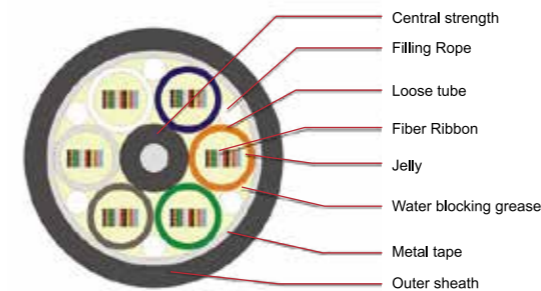
**GYDTA
-
144B1**

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

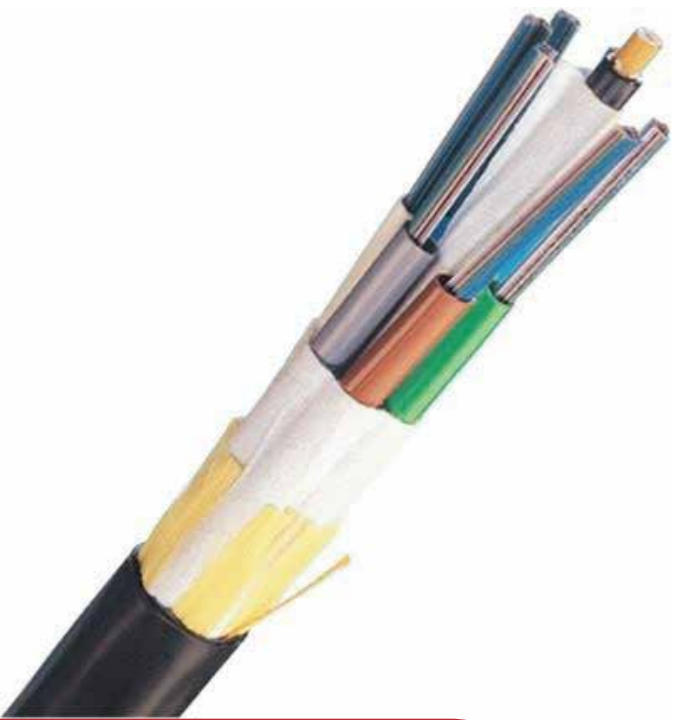


Product applications and laying methods.

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)		Maximum 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:

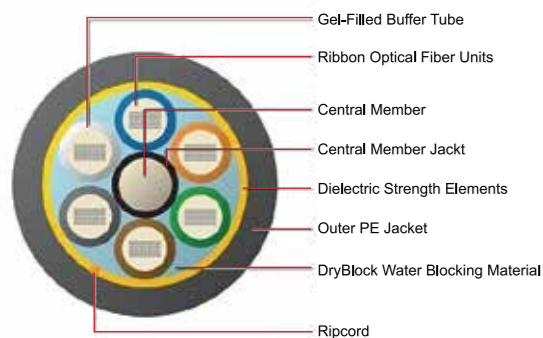
- Very good mechanical properties and temperature characteristics
- Very good mechanical properties and temperature characteristics
- The loose tube material itself has good hydrolysis resistance and high strength
- The tube is filled with a special oil paste, which provides critical protection for the 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



GYDXTW 288B1.3

Product description :

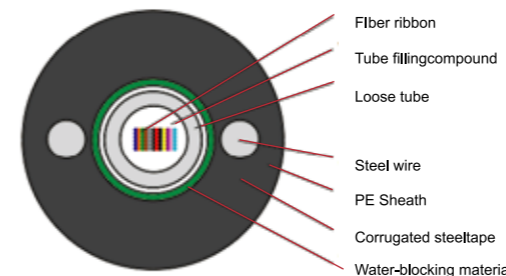
The GYDXTW fibre optic cable is constructed by placing a 12-cell fibre optic ribbon in a high modulus material pine sleeve filled with a waterproof compound. The cable is wrapped longitudinally with a double-sided plastic-coated steel strip (PSP), with a water barrier between the strip and the loose 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)		Maximum 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

Cable Mechanical characteristic

Fiber Number	Number of Fiber within one Ribbon	Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximum 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



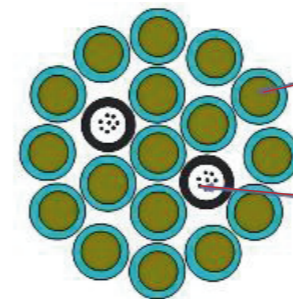
OPGW

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 easily to make.



Aluminum-clad steel wire

Steel optical fiber unit

Product applications and laying methods.

1. Outdoor communication system wiring
2. Aerial

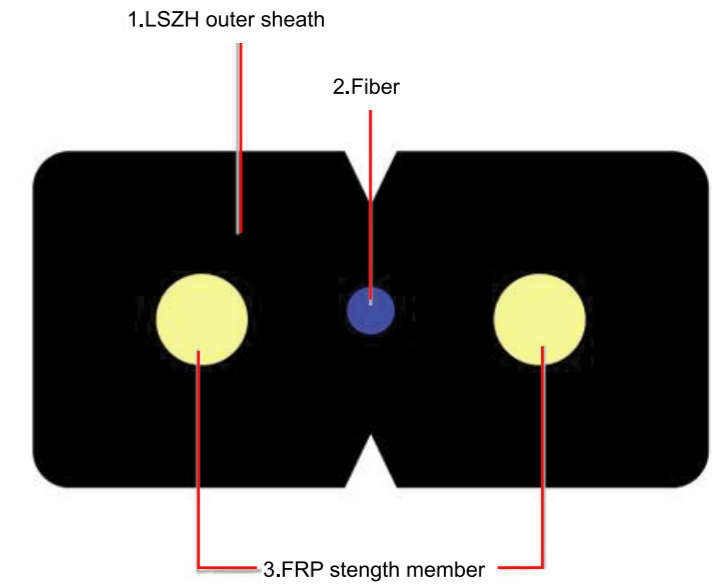
Cable Mechanical characteristic

No	Product Type	Structure Typ	Max. Fiber Count	Section of AS Wire (mm ²) AS	Diameter (mm)	Cable Weight (kg/km)	Rate Tensile Strength (kN)	20 °C DC Resistance (Ω/km) 20 °C DC	Short Time Current Capacity (40-200 °C 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



GJX(F)H



1-04

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.

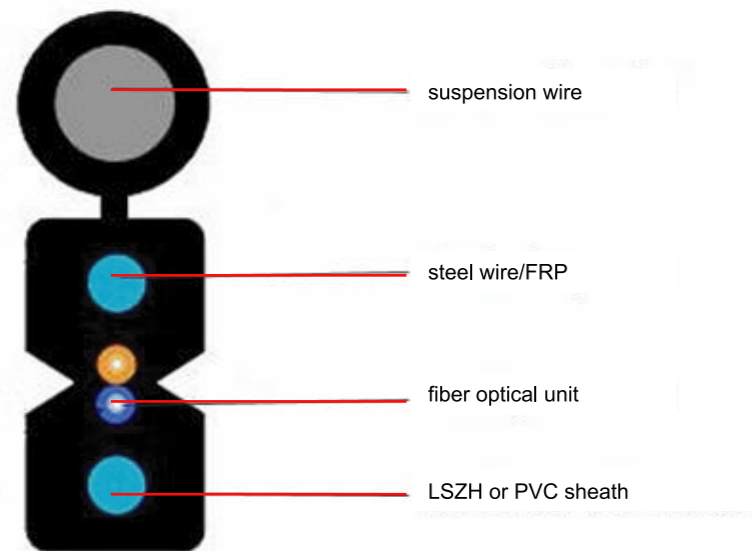
Product characteristics:

- 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(°C)
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

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.

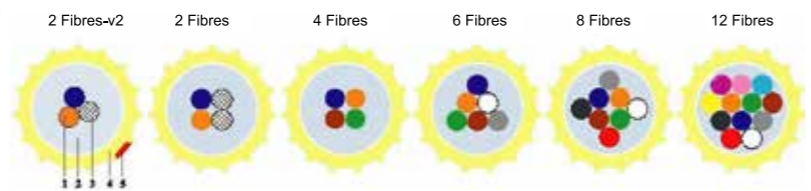
Product description:

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(°C)
GJYXCH-1C	$(2.0 \pm 0.1) \times (5.0 \pm 0.1)$	15	300/600	1000/2200	15/30	-20 ~ +60
GJYXCH-2C	$2.0 \pm 0.1 \times (5.0 \pm 0.1)$	15	300/600	1000/2200	15/30	-20 ~ +60
GJYXFCH-1C	$(2.0 \pm 0.1) \times (5.0 \pm 0.1)$	20	300/600	500/1000	15/30	-20 ~ +60
GJYXFCH-2C	$(2.0 \pm 0.1) \times (5.0 \pm 0.1)$	20	300/600	500/1000	15/30	-20 ~ +60





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

**GCYFXTY
—XB1.3**

- 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 C ~ +60 C / Operation: -30 C ~ +60 C / Installation:-5 C ~ +50 C					
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

INDOOR OPTICAL CABLE





Product description :

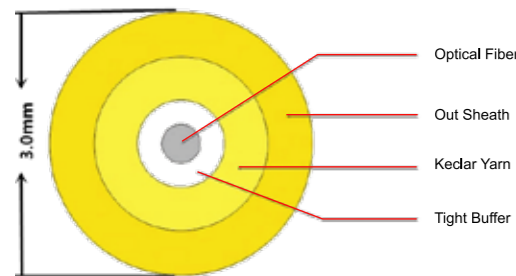
GJFJV single-core optical fiber cable uses a single $\Phi 900\mu\text{m}$ or $\Phi 600\mu\text{m}$ tightly sheathed optical fiber as the optical transmission medium, covered with a layer of aramid as the force reinforcement unit, and extruded with a layer of polyvinyl chloride (PVC) or low smoke and 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 pig-tails
 - Indoor shaft level and forced ventilation level cabling
 - Interconnection of instruments, communication equipmen



Product description :

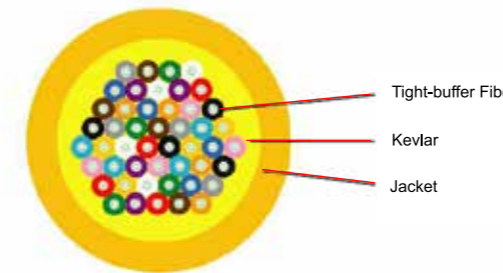
GJFJZY multi-purpose cabling cable uses multiple $\Phi 900\mu\text{m}$ flame retardant tightly sheathed optical fibres as the optical transmission medium, covered with a layer of aramid as the load-bearing reinforcement unit and sheathed with a layer of polyvinyl chloride (PVC) or low smoke and halogen 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

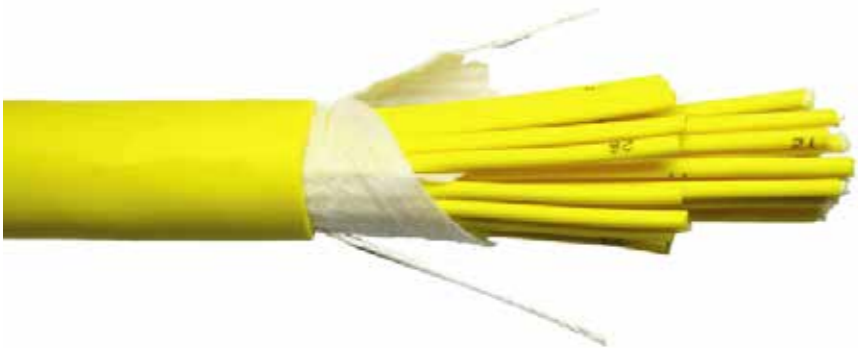


Cable Mechanical characteristic

Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximum 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

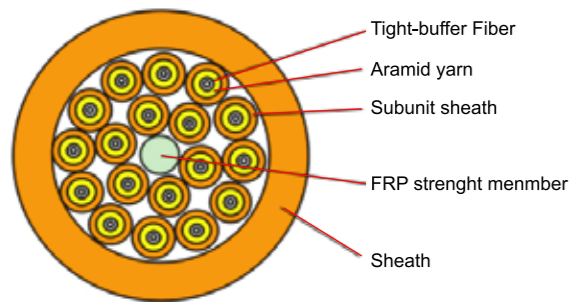
Cable Mechanical characteristic

Fiber Number	Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximum 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 description:

The GJFJBV (BOC) multi-purpose breakout tight buffer cable uses a single core ($\Phi 900\mu\text{m}$ 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:

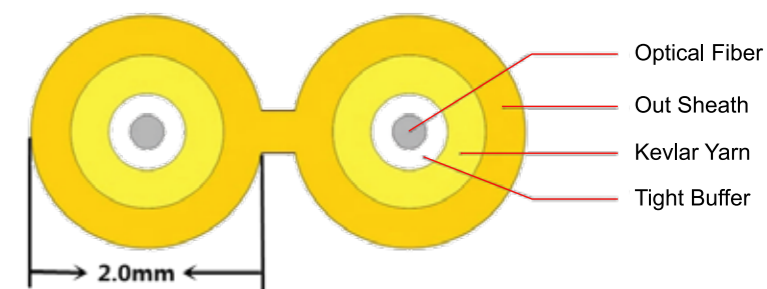
- Laminated fiber optic cable structure, non-metallic central reinforcement core allows the cable to withstand greater tensile strength
- Corrosion resistant, waterproof, UV resistant, flame retardant and environmentally friendly outer sheath material
- Aramid reinforcing element for excellent tensile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

Cable Mechanical characteristic

Fiber Number	Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximum 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

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:

GJFJBV twin-core 8-core optical cable is made of $\Phi 900\mu\text{m}$ or $\Phi 600\mu\text{m}$ 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

Cable yp	Cable Outer Dia (mm)	Cable Weight (kg/km)	Minimum Bending radius(mm)		Maximum 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



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 can 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.

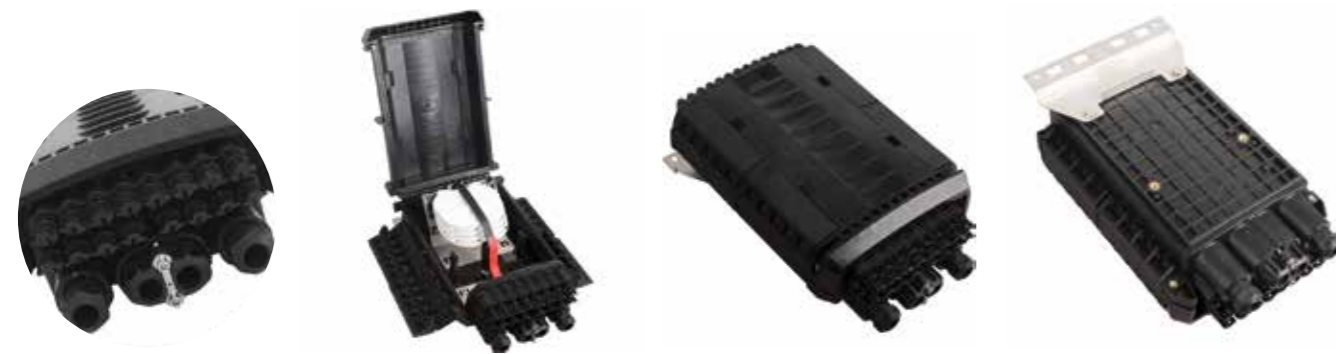
FOSC-F202



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-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-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-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:	420x140mm (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-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-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-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 TERMINATION BOX



Technical specifications of Fiber optic termination box

Description

The equipment is widely used as a termination 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, dustproof, 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, Pigtail, Patch Cords are running through own path without disturbing each other, suitable for cassette 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: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$, Relative humidity: $\leq 85\%$ ($+30^{\circ}\text{C}$)

Atmospheric pressure: 70KPa-106pa

2. Main technical datasheet

Insertion loss: $\leq 0.2\text{dB}$ UPC return loss: $\geq 25\text{dB}$ APC return loss: $\geq 60\text{dB}$ Life of insertion and extraction > 1000 times

3. Thunder-proof technical datasheet

The grounding device is isolation with the cabinet. Isolation resistance is less than $2 \times 10^4 \text{M}\Omega$ 500V(DC), $IR \geq 2 \times 10^4 \text{M}\Omega/500\text{V}$

The withstand voltage between grounding device and cabinet is no less than 3000V(DC)/min, no flashover; $U \geq 3000\text{V}$

OTB-2C-01

尺寸：210*135*40mm



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*58cm 16kg
Compatible with	2core adapters& pigtails	Material	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 ϕ 8.5mm 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	PCABS
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 ϕ 12.5mm 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	PCABS
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	PCABS
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

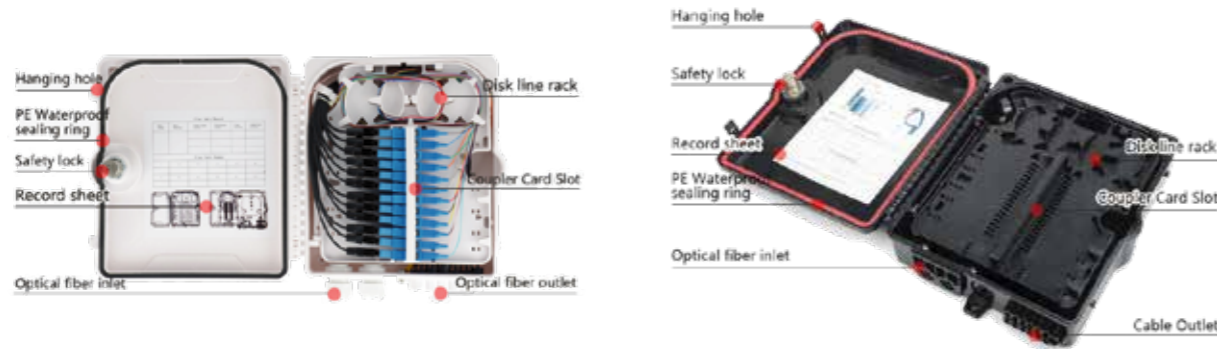
OTB-12C-01



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 ϕ 12.5mm 2 out port ϕ 12.5mm	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-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	PCABS
Installation Type	wall / pole-mounted	Gross Weight	1.45kg

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*45cm 13kg
Compatible with	PLC Splitter 2 pcs of 1x8	Material	Strengthen ABS+PC
Installation Type	wall / pole-mounted	Gross Weight	1.3kg

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 design	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 ϕ 12.5mm / 2 out port ϕ 12.5mm	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 ϕ 12.5 mm / 24 out port ϕ 6/11 mm	Packing Quantity	10 pcs / carton 58*36*52cm 21kg
Compatible with	1:16 cassette splitter or 24 core adapter pigtail	Material	PCABS
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 ϕ 15mm 24 out port ϕ 9.7mm	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-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 ϕ 30mm 2 out port ϕ 18mm As Spare ϕ 12mm	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-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 ϕ 15mm 32+1 out port ϕ 5mm ϕ 11.5mm	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-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 ϕ 15mm 48(24*2) out port ϕ 12mm	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

OTB-48C-03



FIBER OPTIC FACEPLATE BOX

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 ϕ 12.5mm 2 out port ϕ 12.5mm	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	PCABS
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 FTTH (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



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 3-02 CONNECTOR

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 allowing several 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°C ~ +80°C

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



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 $\leq 0.40\text{dB}$, maximum value $\leq 0.50\text{dB}$	Return loss	$\geq 35\text{dB}$
Max.attenuation	3.0/1.0(dB/km)	Repeatability	$\leq 0.10\text{dB}$
Durability	Insert and remove 1000 typical changes $\leq 0.20\text{dB}$	Curvature radius	10 ~ 25mm
Operating temperature	Multi-core jumper use temperature, -20°C to $+70^{\circ}\text{C}$ SFP module temperature	Storage temperature	-40°C to $+85^{\circ}\text{C}$
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
- 5telecom 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°C ~ +85°C
Storage temperature	-40°C ~ +85°C

features:

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

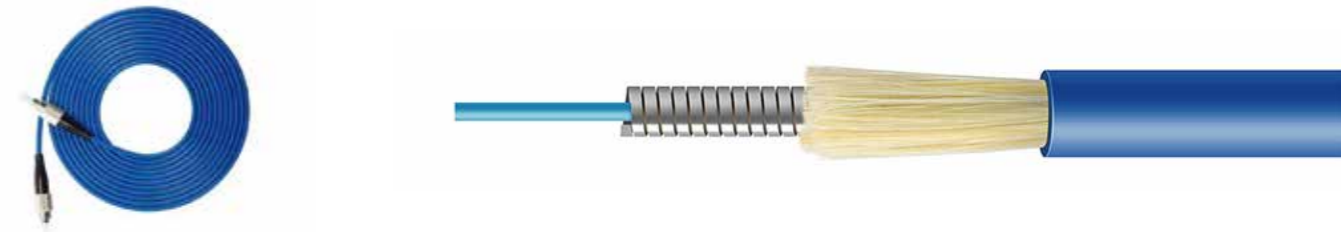
Application:

- 1 Fiber Optic Telecommunications
- 2 FTTH (Fiber To The Home)
- 3 Data Processing Networks
- 4 Telecom Equipment
- 5 Local 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 standard 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°C ~ +85°C	Operating Temperature	-40°C ~ +75°C
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 C ~+85 C	Fire Resistant	IEC 60794-2-30
Durability(500 Mating)	≤0.2dB	Operating Temperature	-20 C ~+70 C
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



Description :

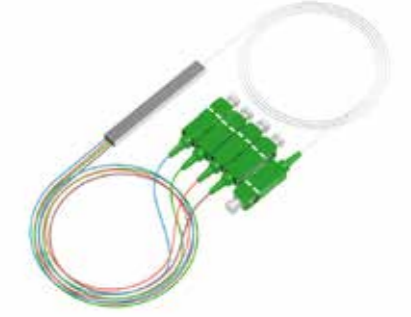
PLC splitter is a device used to realize the shunting and combining of fiber energy. It distributes the optical energy transmitted in one optical fiber to two or more optical fibers according to a predetermined proportion, or combines the optical energy transmitted in multiple optical fibers into one 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 (°C)	-40 ~ +85								
Storage Temperature(°C)	-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