Excellent Manufacturer of Optical Cable and Accessories



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Shenzhen HYOE Optical Communications Co.,Ltd

About Us

Located in Shenzhen city, China, HYOE engages in manufacturing optical fiber products with nearly ten years' experience. Our main products are indoor and outdoor optical cables, FTTH cable, patch cords and other accessories. Those products are widely used in telecommunications, data transmissions,optical fiber test equipment as well as network fields. We have 7 optical cable production lines presently and plan to introduce more, so we can OEM variety optical cable for our valuable customers.

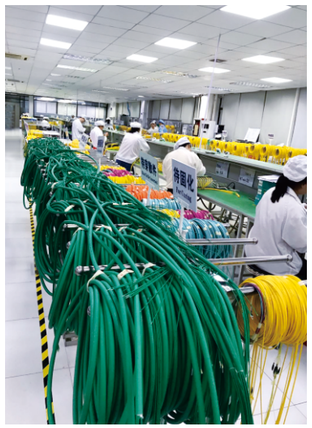
Our facilities are all ISO-certified by both ISO 14001 environmental management and ISO 9001 quality management systems.

HYOE has a powerful and professional team consisting of manufacturing, R & D, marketing and logistic department. The philosophy of customers first has been always embedded in our DNA, and we strive to provide a portfolio of quality service and products at competitive prices and quick delivery. That's how we have won great reputation and established strong relationships with our customers and partners.

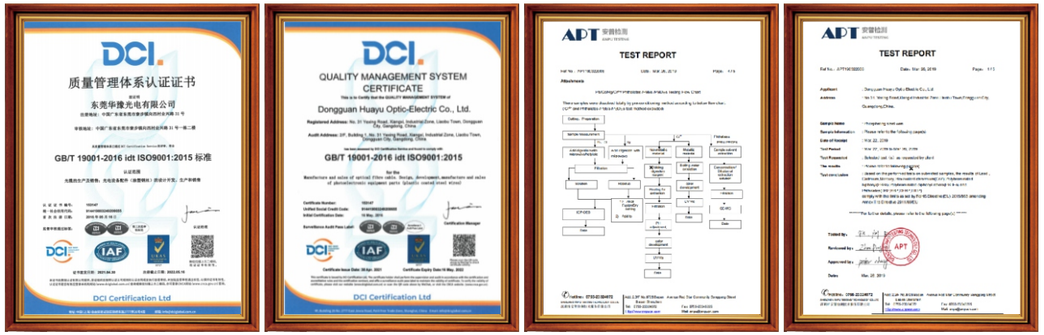
HYOE is focusing on creating value for each person involved with what we do. We strive to make a positive impact on everyone, including customers, suppliers and co-workers, etc.



Our Facility


Our Certification



Our Partners

YOFC Smart Link Better Life.
Telkom Indonesia
ANATEL
HTGD 亨通集团 HENGTONG GROUP
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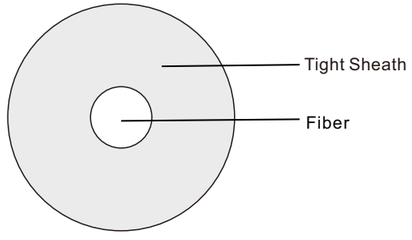
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Tight Buffered Fiber



Product Description

- The tight buffered fiber is made by coating a layer of cushioning materials which is PVC, LSZH, PA, TPU, Hytrel etc. on the surface of the discrete fiber.

Product Characteristics

- Good flame-retardant and mechanical performance.
- Easy for strip and splice.
- Excellent environmental resistance.

Product Application

- Indoor integrated wiring.
- Patch cord and pigtail for active or passive optical device.

Structural Parameters

Cable Diameter (mm)	Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)		Temperature Range (℃)
		Static	Dynamic	Short Term	Long Term	Short Term	Long Term	
0.6	0.5	30	60	6	3	500	100	-5℃-+50℃
0.7	0.6	30	60	6	3	500	100	-10℃-+60℃
0.9	0.9	30	60	6	3	500	100	-10℃-+60℃

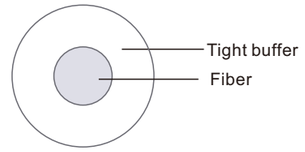
Optical Characteristics

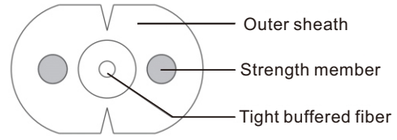
Fiber Type	Attenuation (dB/km)				Overfilled Launch Bandwidth (MHz.km)		Effective Mode Bandwidth (MHz.km)
	1310mm	1550nm	850nm	1300nm	850nm	1300nm	850nm
G.652D	≤0.4	≤0.3	–	–	–	–	–
G.657A	≤0.4	≤0.3	–	–	–	–	–
OM1	–	–	≤3.0	≤1.0	≥200	≥500	
OM2	–	–	≤3.0	≤1.0	≥500	≥500	
OM3	–	–	≤3.0	≤1.0	≥1500	≥500	≥2000
OM4	–	–	≤3.0	≤1.0	≥3500	≥500	≥4700

Standard Length

- Length: 1000m/2000m, or customer standard.

Invisible Optical Cable





Product Description

- Invisible optical cable is made by coating a layer of transparent materials which is PA12 or TPU with high hardness and high bending resistance features.

Product Characteristics

- Simple structure, light weight, good invisibility.
- Bending resistant optical fiber, suitable for complex wiring requirements.
- Excellent environmental resistance.

Product Application

- Indoor integrated wiring.
- Interconnection of instrument and communication equipment.

Structural Parameters

Fiber Count	Specification	Strength Member	Cable Diameter (mm)	Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)		Temperature Range (℃)
					Static	Dynamic	Short Term	Long Term	Short Term	Long Term	
1	Invisible Cable	–	0.9	0.8	30	60	10	5	1000	300	-5℃-+50℃
1	GJXJH	Phosphated steel wire	2.0*3.0	9.7	30	60	200	100	2200	1100	-10℃-+60℃
2	GJXFJH	GFRP/KFRP	2.2*3.6	11.8	30	60	80	40	1000	500	-10℃-+60℃
2	GJXJH	Phosphated steel wire	2.2*3.6	12.2	30	60	200	100	2200	1100	-20℃-+60℃

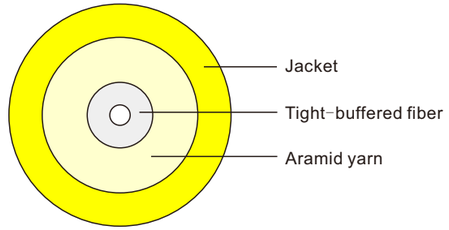
Optical Characteristics

Fiber Type	Attenuation (dB/km)	
	1310nm	1550nm
G.652D	≤0.4	≤0.3
G.657A	≤0.4	≤0.3

Standard Length

- Length: 1000m/2000m, or customer standard.

Simplex Optical Fiber Cable



Product Description

- It has a 0.9mm tight buffered fiber, and filled with aramid yarn as the strength member. The jacket is made of PVC or LSZH materials.

Product Characteristics

- Small size and light weight, flexible wiring.
- Aramid yarn as the strength member to improve the tensile performance of the cable.
- Flame retardant, environmentally friendly, corrosion resistant out sheath.

Product Application

- Fiber jumper or pigtail.
- Indoor integrated wiring.
- Interconnection of instrument and communication equipment.

Structural Parameters

Fiber Count	Strength Member	Cable diameter (mm)	Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)		Temperature Range (℃)
				Static	Dynamic	Short Term	Long Term	Short Term	Long Term	
1	Aramid Yarn	1.6±0.1	2.2	30	60	80	40	500	100	-20℃-+60℃
1	Aramid Yarn	1.8±0.1	3.4	30	60	100	60	500	100	-20℃-+60℃
1	Aramid Yarn	2.0±0.1	3.9	30	60	100	60	500	100	-20℃-+60℃
1	Aramid Yarn	2.4±0.1	5.1	30	60	120	60	500	100	-20℃-+60℃
1	Aramid Yarn	2.8±0.1	5.6	30	60	150	80	500	100	-20℃-+60℃
1	Aramid Yarn	3.0±0.1	6.6	30	60	150	80	500	100	-20℃-+60℃

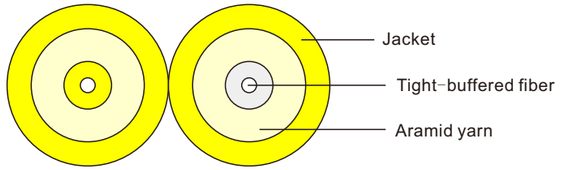
Optical Characteristics

Fiber Type	Attenuation (dB/km)				Overfilled Launch Bandwidth (MHz.km)		Effective Mode Bandwidth (MHz.km)
	1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm
G.652D	≤0.4	≤0.3	-	-	-	-	-
G.657A	≤0.4	≤0.3	-	-	-	-	-
OM1	-	-	≤3.0	≤1.0	≥200	≥500	
OM2	-	-	≤3.0	≤1.0	≥500	≥500	
OM3	-	-	≤3.0	≤1.0	≥1500	≥500	≥2000
OM4	-	-	≤3.0	≤1.0	≥3500	≥500	≥4700

Standard Length

- Length: 1000m/2000m, or customer standard.

Duplex Optical Fiber Cable



Product Description

- Duplex optical cable is made by two tight buffered fibers as the basic unit, aramid yarn as the strength member, and pvc or LSZH material as the jacket.

Product Characteristics

- Small size and light weight, flexible wiring.
- Aramid yarn as the strength member to improve the tensile performance of the cable.
- Flame retardant, environmentally friendly, corrosion resistant out sheath.

Product Application

- Fiber jumper or pigtail.
- Interconnection of instrument and communication equipment.

Structural Parameters

Fiber Count	Strength Member	Cable diameter (mm)	Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)		Temperature Range (℃)
				Static	Dynamic	Short Term	Long Term	Short Term	Long Term	
2	Aramid Yarn	1.6±0.1	4.4	30	60	120	60	500	100	-20℃-+60℃
2	Aramid Yarn	1.8±0.1	5.9	30	60	150	80	500	100	-20℃-+60℃
2	Aramid Yarn	2.0±0.1	7.8	30	60	150	80	500	100	-20℃-+60℃
2	Aramid Yarn	2.8±0.1	12.1	30	60	250	120	500	100	-20℃-+60℃
2	Aramid Yarn	3.0±0.1	13.4	30	60	250	120	500	100	-20℃-+60℃

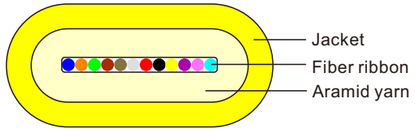
Optical Characteristics

Fiber Type	Attenuation (dB/km)				Overfilled Launch Bandwidth (MHz.km)		Effective Mode Bandwidth (MHz.km)
	1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm
G.652D	≤0.4	≤0.3	-	-	-	-	-
G.657A	≤0.4	≤0.3	-	-	-	-	-
OM1	-	-	≤3.0	≤1.0	≥200	≥500	
OM2	-	-	≤3.0	≤1.0	≥500	≥500	
OM3	-	-	≤3.0	≤1.0	≥1500	≥500	≥2000
OM4	-	-	≤3.0	≤1.0	≥3500	≥500	≥4700

Standard Length

- Length: 1000m/2000m, or customer standard.

Fiber Ribbon Optical Cable



Product Description

- It takes the fiber ribbon as the basic unit, aramid yarn as the strength member and PVC or LSZH as the jacket.

Product Characteristics

- Fiber ribbon as the basic unit with high integration.
- Aramid yarn as the strength member to improve the tensile performance of the cable.
- Flame retardant, environmentally friendly, corrosion resistant out sheath.

Product Application

- Indoor wiring.
- Interconnection of instrument and communication equipment.
- Ribbon patch cord connection.

Structural Parameters

Fiber Count	Strength Member	Cable diameter (mm)	Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)		Temperature Range (℃)
				Static	Dynamic	Short Term	Long Term	Short Term	Long Term	
8	Aramid Yarn	2.0*4.2±0.2	9.4	30	60	200	80	500	200	-20℃-+60℃
12	Aramid Yarn	2.3*4.8±0.2	11.1	30	60	200	80	500	200	-20℃-+60℃
24	Aramid Yarn	2.3*4.8±0.2	12.3	30	60	200	80	500	200	-20℃-+60℃

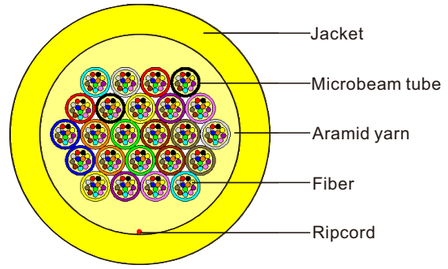
Optical Characteristics

Fiber Type	Attenuation (dB/km)				Overfilled Launch Bandwidth (MHz.km)		Effective Mode Bandwidth (MHz.km)
	1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm
G.652D	≤0.4	≤0.3	-	-	-	-	-
G.657A	≤0.4	≤0.3	-	-	-	-	-
OM1	-	-	≤3.0	≤1.0	≥200	≥500	
OM2	-	-	≤3.0	≤1.0	≥500	≥500	
OM3	-	-	≤3.0	≤1.0	≥1500	≥500	≥2000
OM4	-	-	≤3.0	≤1.0	≥3500	≥500	≥4700

Standard Length

- Length: 1000m/2000m, or customer standard.

Multi-beam Integrated Optical Cable



Product Description

- The micro-beam tube is made of multiple fibers with a thin sheath, which has high density, small outer diameter and easily torn by hands features.
  1 to 24 core cable available.
  Multi-beam integrated cable is composed of multiple micro-beam tubes.

Product Characteristics

- Micro-beam tube as the basic unit, with high fiber integration.
- Aramid yarn as the strength member to improve the tensile performance of the cable.
- Flame retardant, environmentally friendly, corrosion resistant out sheath.

Product Application

- Distributed indoor.
- Suitable for high density wiring in the building, can be operated by striping the cable.

Structural Parameters

Fiber Count	Cable diameter (mm)	Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)		Temperature Range (℃)
			Static	Dynamic	Short Term	Long Term	Short Term	Long Term	
6	1.15±0.1	1.4	30	60	660	200	1000	200	-20℃-+60℃
8	1.5±0.1	2.1	30	60	660	200	1000	200	-20℃-+60℃
12	1.5±0.1	2.2	30	60	1320	400	1000	200	-20℃-+60℃
48	7.6±0.5	50.5	76	152	2000	900	1000	200	-20℃-+60℃
144	10.0±0.5	75.6	100	200	2000	900	1000	200	-20℃-+60℃
288	13.0±0.5	135.2	130	260	2000	900	1000	200	-20℃-+60℃

Multi-beam Integrated Optical Cable

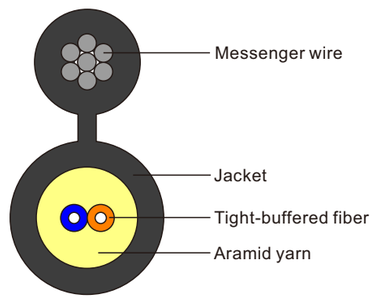
Optical Characteristics

Fiber Type	Attenuation (dB/km)				Overfilled Launch Bandwidth (MHz.km)		Effective Mode Bandwidth (MHz.km)
	1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm
G.652D	≤0.4	≤0.3	-	-	-	-	-
G.657A	≤0.4	≤0.3	-	-	-	-	-
OM1	-	-	≤3.0	≤1.0	≥200	≥500	
OM2	-	-	≤3.0	≤1.0	≥500	≥500	
OM3	-	-	≤3.0	≤1.0	≥1500	≥500	≥2000
OM4	-	-	≤3.0	≤1.0	≥3500	≥500	≥4700

Standard Length

- Length: 1000m/2000m, or customer standard.

Self-Supporting Round Type Drop Cable



Product Description

- The tight buffered fiber is the basic unit, aramid yarn is the strength member, another metal strength member is on the outer side, the sheath material is LSZH.

Product Characteristics

- Simple structure, light weight, very practical.
- Single steel wire as the strength member, with excellent strength tensile.
- Flame retardant, environmentally friendly, corrosion resistant out sheath.

Product Application

- Access to the building from outside, FTTH.

Structural Parameters

Fiber Count	Strength Member	Cable diameter (mm)	Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)		Temperature Range (℃)
				Static	Dynamic	Short Term	Long Term	Short Term	Long Term	
1	Aramid Yarn	6.5*3.5±0.2mm	18.7	30	60	800	400	1000	300	-40℃-+70℃
2	Aramid Yarn	6.5*3.5±0.2mm	18.9	30	60	800	400	1000	300	-40℃-+70℃

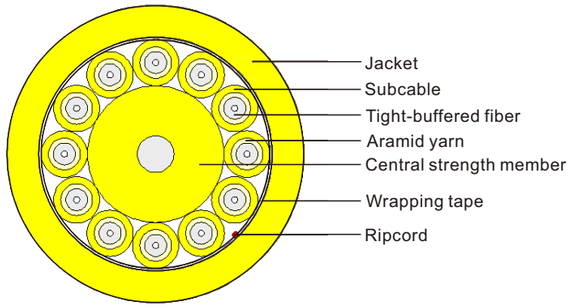
Optical Characteristics

Fiber Type	Attenuation (dB/km)	
	1310nm	1550nm
G.652D	≤0.4	≤0.3
G.657A	≤0.4	≤0.3

Standard Length

- Length: 1000m/2000m, or customer standard.

Breakout Optical Cable



Product Description

- The simplex cable is the basic unit, non-metallic material is the strength member, the sheath is made of PVC or LSZH. The single cable units are stranded around the non-metallic strength member.

Product Characteristics

- Stranded cable structure, non-metallic strength member to ensure the greater tension.
- Aramid yarn to improve the tensile performance of the cable.
- Flame retardant, environmentally friendly, corrosion resistant out sheath.

Product Application

- Distributed indoor.
- Backbone distribution cable in building.

Structural Parameters

Fiber Count	Strength Member	Cable diameter (mm)	Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)		Temperature Range (℃)
				Static	Dynamic	Short Term	Long Term	Short Term	Long Term	
2	Aramid Yarn	6.0±0.1	30.5	60	120	440	200	1000	200	-20℃-+60℃
4	Aramid Yarn	7.0±0.1	44.9	70	140	440	200	1000	200	-20℃-+60℃
6	Aramid Yarn	8.0±0.2	63.5	80	160	660	200	1000	200	-20℃-+60℃
8	Aramid Yarn	9.2±0.2	81.9	92	184	660	200	1000	200	-20℃-+60℃
12	Aramid Yarn	12.2±0.3	144.8	122	244	660	200	1000	200	-20℃-+60℃
16	Aramid Yarn	11.5±0.3	123.4	115	230	1320	400	1000	200	-20℃-+60℃
24	Aramid Yarn	13.8±0.5	179.1	138	276	1320	400	1000	200	-20℃-+60℃
32	Aramid Yarn	16.0±0.5	229.6	160	320	1320	400	1000	200	-20℃-+60℃
36	Aramid Yarn	16.5±0.5	251.6	165	330	1320	400	1000	200	-20℃-+60℃
48	Aramid Yarn	19.0±0.8	332.9	190	380	1320	400	1000	200	-20℃-+60℃

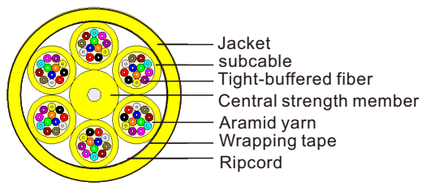
Optical Characteristics

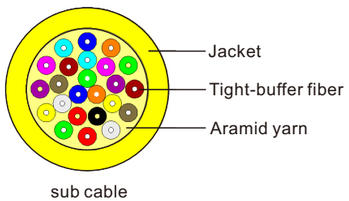
Fiber Type	Attenuation (dB/km)				Overfilled Launch Bandwidth (MHz.km)		Effective Mode Bandwidth (MHz.km)
	1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm
G.652D	≤0.4	≤0.3	-	-	-	-	-
G.657A	≤0.4	≤0.3	-	-	-	-	-
OM1	-	-	≤3.0	≤1.0	≥200	≥500	
OM2	-	-	≤3.0	≤1.0	≥500	≥500	
OM3	-	-	≤3.0	≤1.0	≥1500	≥500	≥2000
OM4	-	-	≤3.0	≤1.0	≥3500	≥500	≥4700

Standard Length

- Length: 1000m/2000m, or customer standard.

Distribution Cable





sub cable

Product Description

- The multiple tight buffered fibers are the basic unit, aramid yarn is its strength member, PVC or LSZH is the sheath material. (2-24 cores).
- Branched distribution cable is composed of multi-core sub-unit (single tube distribution cable), KFRP/GFRP central strength member, PVC/LSZH out sheath. The single tube distribution cables are stranded around the central strength member. (above 24 cores).

Product Characteristics

- Tight buffered fiber, easy to strip.
- Aramid yarn as the strength member to improve the tensile performance of the cable.
- Flame retardant, environmentally friendly, corrosion resistant out sheath.

Product Application

- indoor cable distribution.
- Backbone distribution cable in building.
- Multi-fiber jumper.

Structural Parameters

Fiber Count	Strength Member	Cable diameter (mm)	Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)		Temperature Range (°C)
				Static	Dynamic	Short Term	Long Term	Short Term	Long Term	
2	Aramid Yarn	4.5±0.1	19.2	45	90	400	200	1000	200	-20°C-+60°C
4	Aramid Yarn	5.0±0.1	20.5	50	100	400	200	1000	200	-20°C-+60°C
6	Aramid Yarn	5.5±0.1	28.3	55	110	660	200	1000	200	-20°C-+60°C
8	Aramid Yarn	6.0±0.1	32.9	60	120	660	200	1000	200	-20°C-+60°C
12	Aramid Yarn	6.5±0.1	36.5	65	130	660	200	1000	200	-20°C-+60°C
16	Aramid Yarn	7.0±0.1	45.2	70	140	660	200	1000	200	-20°C-+60°C
24	Aramid Yarn	8.5±0.1	67.2	85	170	1320	400	1000	200	-20°C-+60°C
36	Aramid Yarn	10.5±0.2	89.8	105	210	1320	400	1000	200	-20°C-+60°C
48	Aramid Yarn	11.5±0.5	106.9	115	230	1320	400	1000	200	-20°C-+60°C
72	Aramid Yarn	19.5±0.5	581.3	195	390	1320	400	1000	200	-20°C-+60°C
96	Aramid Yarn	22.8±0.8	797.8	228	456	1320	400	1000	200	-20°C-+60°C
144	Aramid Yarn	26.4±0.8	728.4	264	528	1320	400	1000	200	-20°C-+60°C

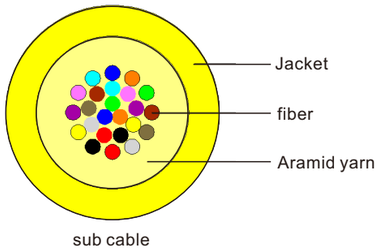
Optical Characteristics

Fiber Type	Attenuation (dB/km)				Overfilled Launch Bandwidth (MHz.km)		Effective Mode Bandwidth (MHz.km)
	1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm
G.652D	≤0.4	≤0.3	-	-	-	-	-
G.657A	≤0.4	≤0.3	-	-	-	-	-
OM1	-	-	≤3.0	≤1.0	≥200	≥500	
OM2	-	-	≤3.0	≤1.0	≥500	≥500	
OM3	-	-	≤3.0	≤1.0	≥1500	≥500	≥2000
OM4	-	-	≤3.0	≤1.0	≥3500	≥500	≥4700

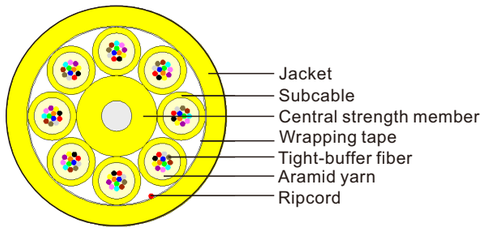
Standard Length

- Length: 1000m/2000m, or customer standard.

Mini Cable



sub cable



Product Description

- For 1-32 core mini cable, the discrete fiber is the basic unit, aramid yarn is the strength member, PVC or LSZH is the out sheath material.
- Branched mini cable is composed of multi-core sub-unit (single tube mini cable), KFRP/GFRP central strength member, PVC/LSZH out sheath. The single tube mini cables are stranded around the central strength member.

Product Characteristics

- Bare fiber as the basic unit, with high integration.
- Aramid yarn as the strength member to improve the tensile performance of the cable.
- Flame retardant, environmentally friendly, corrosion resistant out sheath.

Product Application

- Indoor integrated wiring.
- Fiber flexible jumper or pigtail fiber.
- Data center.

Structural Parameters

Fiber Count	Strength Member	Cable diameter (mm)	Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)		Temperature Range (℃)
				Static	Dynamic	Short Term	Long Term	Short Term	Long Term	
2	Aramid Yarn	2.0±0.1	3.2	30	60	100	50	500	100	-20℃-+60℃
8	Aramid Yarn	2.4±0.1	4.9	30	60	150	70	500	100	-20℃-+60℃
12	Aramid Yarn	3.0±0.1	6.9	30	60	200	80	500	100	-20℃-+60℃
16	Aramid Yarn	3.4±0.1	9.0	34	68	220	100	500	100	-20℃-+60℃
24	Aramid Yarn	3.5±0.1	9.5	35	70	250	120	500	100	-20℃-+60℃
32	Aramid Yarn	5.0±0.1	21.0	50	100	250	120	500	100	-20℃-+60℃
48	Aramid Yarn	9.5±0.3	110.0	95	190	600	200	1000	200	-20℃-+60℃
64	Aramid Yarn	13.5±0.5	150.0	135	270	800	400	1000	200	-20℃-+60℃
72	Aramid Yarn	11.5±0.5	100.0	120	240	1000	500	1000	200	-20℃-+60℃
96	Aramid Yarn	13.5±0.5	153.0	135	270	1200	400	1000	200	-20℃-+60℃
144	Aramid Yarn	13.5±0.5	145.0	135	270	1320	400	1000	200	-20℃-+60℃

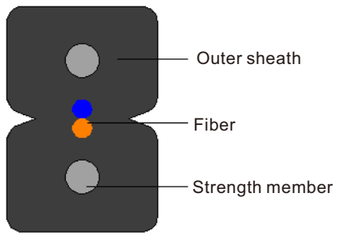
Optical Characteristics

Fiber Type	Attenuation (dB/km)				Overfilled Launch Bandwidth (MHz.km)		Effective Mode Bandwidth (MHz.km)
	1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm
G.652D	≤0.4	≤0.3	-	-	-	-	-
G.657A	≤0.4	≤0.3	-	-	-	-	-
OM1	-	-	≤3.0	≤1.0	≥200	≥500	
OM2	-	-	≤3.0	≤1.0	≥500	≥500	
OM3	-	-	≤3.0	≤1.0	≥1500	≥500	≥2000
OM4	-	-	≤3.0	≤1.0	≥3500	≥500	≥4700

Standard Length

- Length: 1000m/2000m, or customer standard.

Indoor Bow Type Drop Cable



Product Description

- There are two parallel strength members at two sides of the indoor bow-type drop cable to protect the fiber in the center of the cable, the sheath is made of LSZH material.

Product Characteristics

- Bending resistant fiber to provide greater bandwidth and enhance network transmission characteristics.
- Simple structure, light weight, very practical.
- Special tearing slot design, easy to peel off, convenient for splicing, simple installation and maintenance.
- Flame retardant, environmentally friendly, corrosion resistant out sheath.

Product Application

- Indoor integrated wiring.
- FTTH.

Structural Parameters

Fiber Count	Strength Member	Cable diameter (mm)	Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)		Temperature Range (°C)
				Static	Dynamic	Short Term	Long Term	Short Term	Long Term	
1	GFRP/KFRP	2.0*3.0±0.1	8.1	20	40	80	40	1000	500	-20°C-+60°C
2	GFRP/KFRP	2.0*3.0±0.1	8.3	20	40	80	40	1000	500	-20°C-+60°C
4	GFRP/KFRP	2.0*3.0±0.1	8.5	20	40	80	40	1000	500	-20°C-+60°C
1	Phosphated / Galvanized Steel Wire	2.0*3.0±0.1	11.6	20	40	200	100	2200	1000	-20°C-+60°C
2	Phosphated / Galvanized Steel Wire	2.0*3.0±0.1	11.8	20	40	200	100	2200	1000	-20°C-+60°C
4	Phosphated / Galvanized Steel Wire	2.0*3.0±0.1	11.9	20	40	200	100	2200	1000	-20°C-+60°C

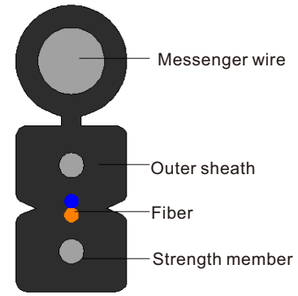
Optical Characteristics

Fiber Type	Attenuation (dB/km)	
	1310nm	1550nm
G.652D	≤0.4	≤0.3
G.657A	≤0.4	≤0.3

Standard Length

- Length: 1000m/2000m, or customer standard.

Self-Supporting Bow Type Drop Cable



Product Description

- The fiber is in the central, two parallel strength members are at the two sides, one metal strength member is at the outside, LSZH material as the sheath.

Product Characteristics

- Bending resistant fiber to provide greater bandwidth and enhance network transmission characteristics.
- Simple structure, light weight, very practical.
- Special tearing slot design, easy to peel off, convenient for splicing, simple installation and maintenance.
- Flame retardant, environmentally friendly, corrosion resistant out sheath.

Product Application

- Access to the building from outside.
- FTTH.

Structural Parameters

Fiber Count	Strength Member	Messenger Wire	Diameter (mm)	Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)		Temperature Range (°C)
					Static	Dynamic	Short Term	Long Term	Short Term	Long Term	
1	GFRP/KFRP	Phosphated Galvanized Steel Wire	2.0*5.3±0.2	18.1	20	40	600	300	2200	1000	-20°C-+60°C
2	GFRP/KFRP	Phosphated Galvanized Steel Wire	2.0*5.3±0.2	18.2	20	40	600	300	2200	1000	-20°C-+60°C
4	GFRP/KFRP	Phosphated Galvanized Steel Wire	2.0*5.3±0.2	18.3	20	40	600	300	2200	1000	-20°C-+60°C
1	Phosphated galvanized steel wire	Phosphated Galvanized Steel Wire	2.0*5.3±0.2	22.5	20	40	600	300	2200	1000	-20°C-+60°C
2	Phosphated galvanized steel wire	Phosphated Galvanized Steel Wire	2.0*5.3±0.2	22.6	20	40	600	300	2200	1000	-20°C-+60°C
4	Phosphated galvanized steel wire	Phosphated Galvanized Steel Wire	2.0*5.3±0.2	22.8	20	40	600	300	2200	1000	-20°C-+60°C

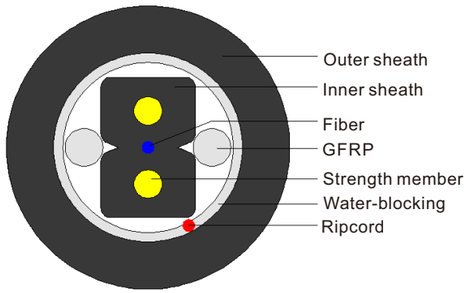
Optical Characteristics

Fiber Type	Attenuation (dB/km)	
	1310nm	1550nm
G.652D	≤0.4	≤0.3
G.657A	≤0.4	≤0.3

Standard Length

- Length: 1000m/2000m, or customer standard.

Pipeline Bow-Type Drop Cable



Product Description

- Pipeline bow type drop cable is composed of bow type drop cable, water blocking tape, aluminum tape, PE sheath.

Product Characteristics

- Bending resistant fiber to provide greater bandwidth and enhance network transmission characteristics.
- Simple structure, light weight, very practical.
- Special tearing slot design, easy to peel off, convenient for splicing, simple installation and maintenance.
- Aluminum tape with the moisture proof layer.
- PE sheath with excellent anti-UV function.

Product Application

- Outdoor duct access.

Structural Parameters

Fiber Count	Cable diameter (mm)	Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)		Temperature Range (°C)
			Static	Dynamic	Short Term	Long Term	Short Term	Long Term	
1	7.0	35.1	70	140	600	200	1000	500	-20°C-+60°C
2	7.0	35.2	70	140	600	200	1000	500	-20°C-+60°C
4	7.0	35.3	70	140	600	200	1000	500	-20°C-+60°C

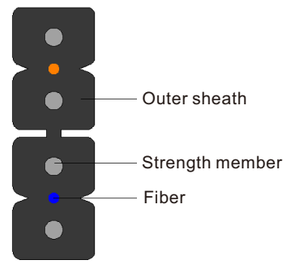
Optical Characteristics

Fiber Type	Attenuation (dB/km)	
	1310nm	1550nm
G.652D	≤0.4	≤0.3
G.657A	≤0.4	≤0.3

Standard Length

- Length: 1000m/2000m, or customer standard.

Row Bow Type Drop Cable



Product Description

- Row bow type drop cable is composed of several connected indoor drop cable.

Product Characteristics

- Bending-resistant fiber to provide greater bandwidth and enhance network transmission characteristics.
- Simple structure, light weight, very practical.
- Special tearing slot design, easy to peel off, convenient for splicing, simple installation and maintenance.
- Flame retardant, environmentally friendly, corrosion resistant out sheath.

Product Application

- Indoor integrated wiring.

Structural Parameters

Fiber Count	Strength Member	Cable diameter (mm)	Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)		Temperature Range (°C)
				Static	Dynamic	Short Term	Long Term	Short Term	Long Term	
2	Phosphated / galvanized steel wire	2.0*6.0±0.2	21.2	20	40	400	200	2200	1100	-20°C-+60°C
4	Phosphated / galvanized steel wire	2.0*6.0±0.2	21.3	20	40	400	200	2200	1100	-20°C-+60°C
8	Phosphated / galvanized steel wire	2.0*6.0±0.2	21.7	20	40	400	200	2200	1100	-20°C-+60°C
2	GFRP/KFRP	2.0*6.0±0.2	15.3	20	40	130	65	2200	1100	-20°C-+60°C
4	GFRP/KFRP	2.0*6.0±0.2	15.4	20	40	130	65	2200	1100	-20°C-+60°C
8	GFRP/KFRP	2.0*6.0±0.2	15.8	20	40	130	65	2200	1100	-20°C-+60°C

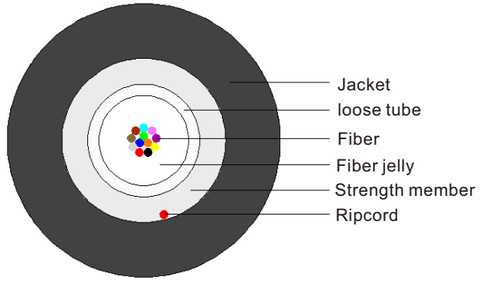
Optical Characteristics

Fiber Type	Attenuation (dB/km)	
	1310nm	1550nm
G.652D	≤0.4	≤0.3
G.657A	≤0.4	≤0.3

Standard Length

- Length: 1000m/2000m, or customer standard.

Central Tube Drop Cable



Product Description

- Central tube drop cable is made by putting the colored fiber into the loose tube, and fill the loose tube with water blocking compound, clad a layer of glass yarn or aramid yarn on the outside of the loose tube as the strength member, the out jacket is made of LSZH material.

Product Characteristics

- With excellent mechanical performance and temperature characteristic.
- Loose tube has good hydrolysis resistance and high strength features.
- Aramid yarn as the strength member to improve the tensile performance of the cable.
- Small diameter, light weight, easy to installation.

Product Application

- Used to access network.
- Access to the building from the outside.

Structural Parameters

Fiber Count	Strength Member	Cable diameter (mm)	Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)		Temperature Range (°C)
				Static	Dynamic	Short Term	Long Term	Short Term	Long Term	
2	Aramid Yarn / Glass Yarn	6.0±0.1	32.1	60	120	600	300	1000	200	-20°C-+60°C
4	Aramid Yarn / Glass Yarn	6.0±0.1	32.3	60	120	600	300	1000	200	-20°C-+60°C
6	Aramid Yarn / Glass Yarn	6.0±0.1	32.5	60	120	600	300	1000	200	-20°C-+60°C
8	Aramid Yarn / Glass Yarn	6.0±0.1	32.7	60	120	600	300	1000	200	-20°C-+60°C
12	Aramid Yarn / Glass Yarn	6.0±0.1	33.2	60	120	600	300	1000	200	-20°C-+60°C
24	Aramid Yarn / Glass Yarn	6.0±0.1	35.3	60	120	600	300	1000	200	-20°C-+60°C

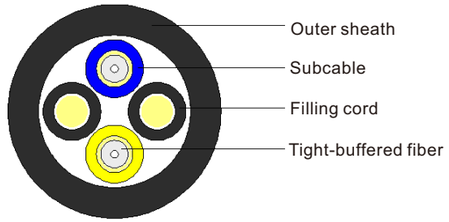
Optical Characteristics

Fiber Type	Attenuation (dB/km)				Overfilled Launch Bandwidth (MHz.km)		Effective Mode Bandwidth (MHz.km)
	1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm
G.652D	≤0.4	≤0.3	-	-	-	-	-
G.657A	≤0.4	≤0.3	-	-	-	-	-
OM1	-	-	≤3.0	≤1.0	≥200	≥500	
OM2	-	-	≤3.0	≤1.0	≥500	≥500	
OM3	-	-	≤3.0	≤1.0	≥1500	≥500	≥2000
OM4	-	-	≤3.0	≤1.0	≥3500	≥500	≥4700

Standard Length

- Length: 1000m/2000m, or customer standard.

Wireless Radio Frequency Drawing Unit Optical Cable



Product Description

- Its basic unit is the 2.0mm simplex cables which are stranded with the filling cord, and the out jacket is made of LSZH material.

Product Characteristics

- With excellent mechanical performance and temperature characteristic.
- Aramid yarn as the strength member to improve the tensile performance of the cable.
- Flame retardant, environmentally friendly, corrosion resistant out sheath.

Product Application

- Used for wireless base station horizontal and vertical wiring, from BBU to RRU wiring.
- Fiber to antenna.

Structural Parameters

Fiber Count	Strength Member	Cable diameter (mm)	Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)		Temperature Range (℃)
				Static	Dynamic	Short Term	Long Term	Short Term	Long Term	
2	Aramid Yarn	7.0±0.1	40.6	70	140	400	200	2200	1100	-40℃-+70℃
4	Aramid Yarn	7.0±0.1	44.2	70	140	400	200	2200	1100	-40℃-+70℃

Optical Characteristics

Fiber Type	Attenuation (dB/km)				Overfilled Launch Bandwidth (MHz.km)		Effective Mode Bandwidth (MHz.km)
	1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm
G.652D	≤0.4	≤0.3	-	-	-	-	-
G.657A	≤0.4	≤0.3	-	-	-	-	-
OM1	-	-	≤3.0	≤1.0	≥200	≥500	
OM2	-	-	≤3.0	≤1.0	≥500	≥500	
OM3	-	-	≤3.0	≤1.0	≥1500	≥500	≥2000
OM4	-	-	≤3.0	≤1.0	≥3500	≥500	≥4700

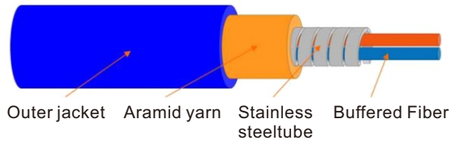
Standard Length

- Length: 1000m/2000m, or customer standard.

Flexible Steel Tube Armored Cable

Product Description

- Flexible steel tube armored cable takes the discrete fiber as the basic unit, aramid yarn as the strength member, armored tube as the metal anti-side pressure element, LSZH as the out jacket material.



Product Characteristics

- Flexible steel tube has excellent anti-pressure and flexible performance.
- Aramid yarn as the strength member to improve the tensile performance of the cable.
- Flame retardant, environmentally friendly, corrosion resistant out sheath.

Product Application

- Used for pipeline wiring, drawing wiring, FTTH and other special type wiring.

Structural Parameters

Fiber Count	Strength Member	Cable diameter (mm)	Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)		Temperature Range (℃)
				Static	Dynamic	Short Term	Long Term	Short Term	Long Term	
1	Aramid Yarn	3.0±0.1	11.0	30	60	450	200	3000	1000	-40℃-+80℃
2	Aramid Yarn	4.0±0.2	25.0	40	80	800	400	3000	1000	-40℃-+80℃
4	Aramid Yarn	4.5±0.2	26.5	45	90	800	400	3000	1000	-40℃-+80℃
6	Aramid Yarn	4.5±0.2	28.1	45	90	500	300	3000	1000	-40℃-+80℃
8	Aramid Yarn	4.5±0.2	28.3	45	90	800	400	3000	1000	-40℃-+80℃
12	Aramid Yarn	6.0±0.25	38.5	60	120	1200	600	3000	1000	-40℃-+80℃

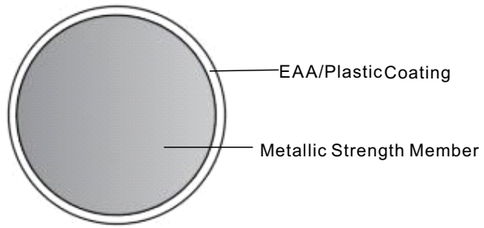
Optical Characteristics

Fiber Type	Attenuation (dB/km)				Overfilled Launch Bandwidth (MHz.km)		Effective Mode Bandwidth (MHz.km)
	1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm
G.652D	≤0.4	≤0.3	-	-	-	-	-
G.657A	≤0.4	≤0.3	-	-	-	-	-
OM1	-	-	≤3.0	≤1.0	≥200	≥500	
OM2	-	-	≤3.0	≤1.0	≥500	≥500	
OM3	-	-	≤3.0	≤1.0	≥1500	≥500	≥2000
OM4	-	-	≤3.0	≤1.0	≥3500	≥500	≥4700

Standard Length

- Length: 1000m/2000m, or customer standard.

EAA/Plastic Coated Steel Wire



Product Description

- EAA coated steel wire is used as a strength member, which plays a longitudinal bearing and radial compressive role in optical cable. The strength member are usually phosphated steel wire, galvanized steel wire and copper coated steel wire, and the plastic coating is made of EAA, EVA or other branded hot glue materials.

Product Characteristics

- High tensile strength and elastic modulus.
- Excellent adhesion for the plastic coating and metallic strength member.
- Strong adhesion between steel wire and cable jacket after cabling.

Product Application

- Strengthen part of the optic cable.
- Strengthen part of other similar products.

Structural Parameters

Diameter before Plastic Coating (mm)	Diameter after Plastic Coating (mm)	Weight (kg/km)	Tensile Strength (Mpa)	Elastic Modulus (Gpa)	Temperature Range (℃)
0.40	0.45	1.00	⩾1770	⩾190	-40℃-+70℃
0.45	0.50	1.25	≥1770	≥190	-40℃-+70℃
1.0	1.1	6.30	≥1570	≥190	-40℃-+70℃
1.1	1.2	7.60	≥1570	≥190	-40℃-+70℃
1.2	1.3	8.95	≥1570	≥190	-40℃-+70℃

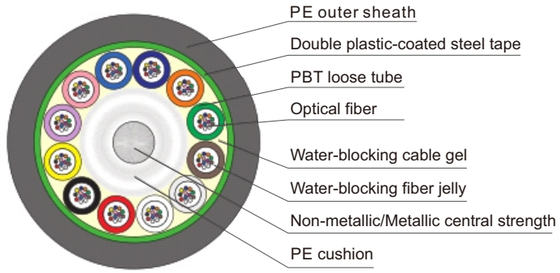
- The metallic strength part can be customized according to customer's request, it is usually the phosphated steel wire, galvanized steel wire and copper coated steel wire, etc.

Standard Length

- Length: 24.4km/drum, 25.2km/drum, 48.8km/drum, 50.4km/drum, or customer standard.

Outdoor Optical Fiber Cable

Stranded Loose Tube Optical Fiber Cable GYTS/A（2-576 cores）



Product Description

- The stranded loose tube optical cable uses loose tube as the basic unit. The primary coating optical fibers are protected by central loose tube. The loose tube is stranded around the central strength member.

Product Characteristics

- Adopt "SZ" bidirectional layer stranding technology.
- Filled with water-blocking gel in every production process; the whole cross section is water resistance.
- Excellent crush resistance with steel(aluminum) tape armor, high strength and no deformation after twisting.
- Stable control of cable excess length.
- Almost zero additional attenuation after cabled and no change of the dispersion value.
- Excellent environmental performance, applicable temperature range can reach -40℃ ~+70℃.
- Suitable for aerial, pipeline, direct buried installation methods.

Product Application

- Long-haul communication, interoffice communication; especially suitable for application with high requirement of crush resistance like aerial installation.

Structural Parameters

Fiber Count	Cable O.Dr (mm)	Cable Weight (kg/km)	Minimum Bending Radius（mm）		Tensile Load（N）		Crush Load（N/100mm）	
			Static	Dynamic	Short Term	Long Term	Short Term	Long Term
2-30	9.8	115	10 times O.D	20 times O.D	1500	600	1000	300
32-36	10.6	140						
38-60	11.0	140						
60-72	11.6	165						
74-96	13.2	205						
98-120	14.7	245						
122-144	16.1	285						
146-216	16.6	300						
218-240	19.8	395						
242-288	22.0	470						
290-432	22.4	495						
576	18.7	398						

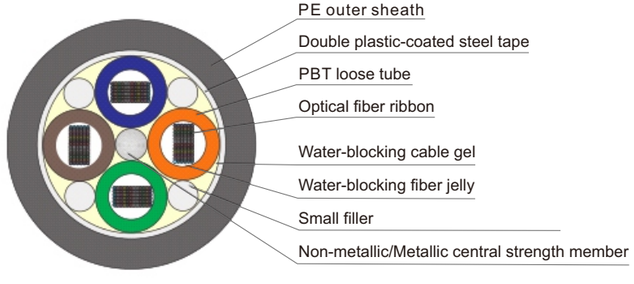
Optical Characteristics

Fiber Type	Attenuation（dB/km）	
	1310nm	1550nm
G.652D	≤0.4	≤0.3
G.657A	≤0.4	≤0.3

Standard Length

- Length: 2000m/4000m, or customer standard.

Stranded Loose Tube Optical Fiber Ribbon Cable GYDTA/S (72-576 cores)



Product Description

- The stranded loose tube optical ribbon cable uses the loose tube as the basic unit. The primary coating optical fibers are protected by central loose tube. The loose tube is twisted around the central strength member.

Product Characteristics

- Adopt "SZ" bidirectional layer stranding technology.
- Filled with water-blocking gel in every production process; the whole cross section is water resistance.
- Excellent crush resistance with steel(aluminum) tape armor, high strength and no deformation after twisting.
- Stable control of cable excess length.
- Almost zero additional attenuation after cabled and no change of the dispersion value.
- Excellent environmental performance, applicable temperature range can reach -40℃ ~+70℃.
- Suitable for aerial, pipeline, direct buried installation methods.

Product Application

- Interoffice communication.
- Metropolitan area network, access network.

Structural Parameters

Fiber Count	Fiber count each ribbon	Max. Number of fiber ribbon	Cable O.D (mm)	Cable Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)	
					Static	Dynamic	Short Term	Long Term	Short Term	Long Term
72-144	6	24	15.0	215	10 times O.D	20 times O.D	1500	600	1000	300
146-180	6	30	16.8	265						
182-216	6	36	17.8	300						
218-288	12	24	18.4	320						
290-360	12	30	20.2	380						
262-420	12	35	21.0	410						
432	12	36	21.7	435						
576	12	48	23.0	500						

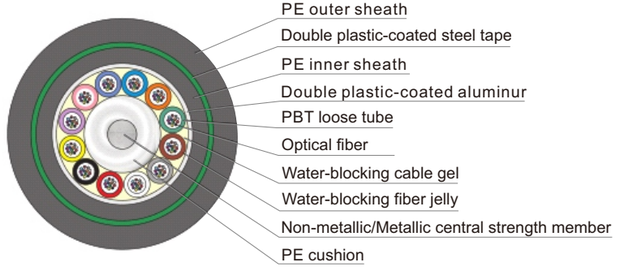
Optical Characteristics

Fiber Type	Attenuation (dB/km)	
	1310nm	1550nm
G.652D	≤0.4	≤0.3
G.657A	≤0.4	≤0.3

Standard Length

- Length: 2000m/4000m, or customer standard.

Stranded Loose Tube Double Sheath Optical Fiber Cable GYTA53 (2-432 cores)



Product Description

- The stranded loose tube optical cable uses the loose tube as the basic unit. The primary coating optical fibers are protected by central loose tube. The loose tube is twisted around the central strength member which is in the center of the optical cable.

Product Characteristics

- Adopt "SZ" bidirectional layer stranding technology.
- Filled with water-blocking gel in every production process; the whole cross section is water resistance.
- Excellent crush resistance with steel(aluminum) tape armor, high strength and no deformation after twisting.
- Stable control of cable excess length.
- Almost zero additional attenuation after cabled and no change of the dispersion value.
- Excellent environmental performance, applicable temperature range can reach -40℃ ~+70℃.
- Suitable for aerial, pipeline, direct buried installation methods.

Product Application

- Long-haul communication, interoffice communication; especially suitable for application with high requirement of anti-moisture, anti-rodent and so on.

Structural Parameters

Fiber Count	Cable O.D (mm)	Cable Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)	
			Static	Dynamic	Short Term	Long Term	Short Term	Long Term
2-36	13.6	220	12.5 times O.D	25 times O.D	3000	1000	3000	1000
38-60	14.1	225						
62-72	14.6	255						
74-96	16.2	305						
98-120	17.7	350						
122-144	19.1	395						
146-216	19.6	420						
218-240	12.8	530						
242-288	25.0	620						
290-432	22.4	495						

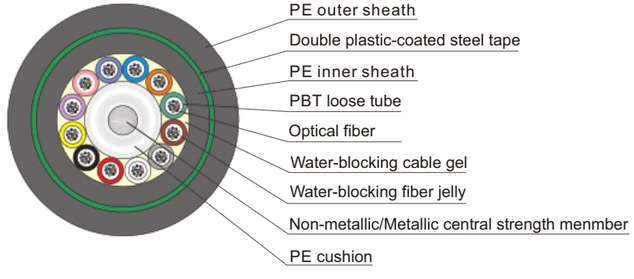
Optical Characteristics

Fiber Type	Attenuation (dB/km)	
	1310nm	1550nm
G.652D	≤0.4	≤0.3
G.657A	≤0.4	≤0.3

Standard Length

- Length: 2000m/4000m, or customer standard.

Stranded Loose Tube Double Sheath Optical Fiber Cable GYTY53 (2-432cores)



Product Description

- Uses the loose tube as the basic unit. The primary coating optical fibers are protected by central loose tube. The loose tube is stranded around the central strength member.

Product Characteristics

- Adopt "SZ" bidirectional layer stranding technology.
- Filled with water-blocking gel in every production process; the whole cross section is water resistance.
- Excellent crush resistance with steel(aluminum) tape armor, high strength and no deformation after twisting.
- Stable control of cable excess length.
- Almost zero additional attenuation after cabled and no change of the dispersion value.
- Excellent environmental performance, applicable temperature range can reach -40℃ ~+70℃.
- Suitable for aerial, pipeline, direct buried installation methods.

Product Application

- Long-haul communication, interoffice communication; especially suitable for application with high requirement of mechanical strength and anti-rodent.

Structural Parameters

Fiber Count	Cable O.D (mm)	Cable Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)	
			Static	Dynamic	Short Term	Long Term	Short Term	Long Term
2-36	12.6	185	12.5 times O.D	25 times O.D	3000	1000	3000	1000
38-60	13.4	200						
62-72	13.9	230						
74-96	15.5	275						
98-120	17.0	320						
122-144	18.4	365						
146-216	18.9	385						
218-240	22.1	395						
242-288	24.3	580						
290-432	22.1	435						

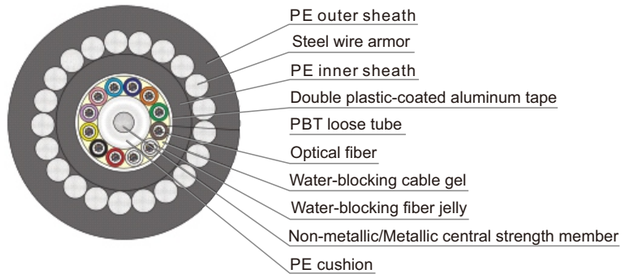
Optical Characteristics

Fiber Type	Attenuation (dB/km)	
	1310nm	1550nm
G.652D	≤0.4	≤0.3
G.657A	≤0.4	≤0.3

Standard Length

- Length: 2000m/4000m, or customer standard.

Stranded Loose Tube Steel Wire Armored Optical Fiber Cable GYTA33 (2-144 cores)



Product Description

- Uses the loose tube as the basic unit. The primary coating optical fibers are protected by central loose tube. The loose tube is stranded around the central strength member.

Product Characteristics

- Adopt "SZ" bidirectional layer stranding technology.
- Filled with water-blocking gel in every production process; the whole cross section is water resistance.
- Excellent crush resistance with steel(aluminum) tape armor, high strength and no deformation after twisting.
- Stable control of cable excess length.
- Almost zero additional attenuation after cabled and no change of the dispersion value.
- Excellent environmental performance, applicable temperature range can reach -40℃ ~+70℃.
- Suitable for aerial, pipeline, direct buried installation methods.

Product Application

- Long-haul communication, interoffice communication, especially suitable for harsh environment like climbing slops, crossing rivers and so on.

Structural Parameters

Fiber Count	Cable O.D (mm)	Cable Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)	
			Static	Dynamic	Short Term	Long Term	Short Term	Long Term
2-30	19.4	745	12.5 times O.D	25 times O.D	20000	10000	5000	3000
32-36	20.4	810						
38-60	20.4	810						
62-72	21.0	820						
74-96	22.0	880						
98-120	24.0	1080						
122-144	27.2	1473						

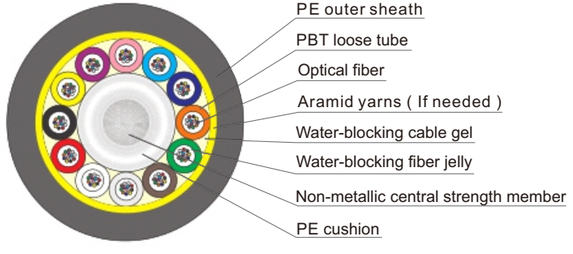
Optical Characteristics

Fiber Type	Attenuation (dB/km)	
	1310nm	1550nm
G.652D	≤0.4	≤0.3
G.657A	≤0.4	≤0.3

Standard Length

- Length: 2000m/4000m, or customer standard.

Stranded Loose Tube Non-Metallic Optical Fiber Cable GYFTY (2-288 cores)



Product Description

- Uses the loose tube as the basic unit. The primary coating optical fibers are protected by central loose tube. The loose tube is stranded around the central strength member.

Product Characteristics

- Adopt "SZ" bidirectional layer stranding technology.
- Filled with water-blocking gel in every production process; the whole cross section is water resistance.
- Excellent crush resistance with steel(aluminum) tape armor, high strength and no deformation after twisting.
- Stable control of cable excess length.
- Almost zero additional attenuation after cabled and no change of the dispersion value.
- Excellent environmental performance, applicable temperature range can reach -40℃ ~+70℃.
- Suitable for aerial, pipeline, direct buried installation methods.

Product Application

- Long-haul communication, interoffice communication; especially applicable for electric power system, thunder and lightning and electromagnetic interference stricken area.

Structural Parameters

Fiber Count	Cable O.D (mm)	Cable Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)	
			Static	Dynamic	Short Term	Long Term	Short Term	Long Term
2-36	10.4	90	10 times O.D	20 times O.D	1500	600	1000	300
38-60	11.2	105						
62-72	11.7	115						
74-96	13.4	150						
98-120	15.0	190						
122-144	16.6	230						
146-216	16.9	240						
218-240	19.3	305						
242-288	21.5	375						

Optical Characteristics

Fiber Type	Attenuation (dB/km)	
	1310nm	1550nm
G.652D	≤0.4	≤0.3
G.657A	≤0.4	≤0.3

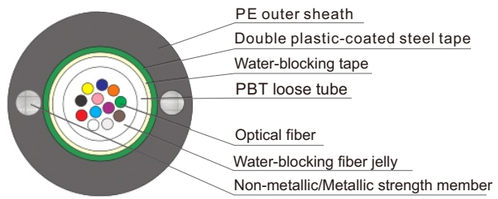
Standard Length

- Length: 2000m/4000m, or customer standard.

Central Loose Tube Optical Fiber Cable GYXTW(2-144 cores)

Product Description

- The Primary coating optical fibers are protected by central loose tube, optical fibers are gathered in the center of optical fiber cable and strength members are placed on two sides of the protective layer of cable.



Product Characteristics

- Small outer diameter, light weight, convenient construction.
- Completely solve the problem of tube shrinking.
- Stable control of cable excess length.
- Almost zero additional attenuation after cabling and no change of the dispersion value.
- Excellent environmental performance, applicable temperature range can reach -40℃ ~+70℃.

Product Application

- Long-haul communication, interoffice communication.

Structural Parameters

Fiber Count	Cable O.D (mm)	Cable Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)	
			Static	Dynamic	Short Term	Long Term	Short Term	Long Term
2-12	8.9	90	10 times O.D	20 times O.D	1500	600	1000	300
14-24	9.1	102						
26-48	10.3	123						
50-60	10.8	136						
62-72	11.3	146						
74-96	12.3	169						
98-120	13.3	191						
122-144	14.0	218						

Optical Characteristics

Fiber Type	Attenuation (dB/km)	
	1310nm	1550nm
G.652D	≤0.4	≤0.3
G.657A	≤0.4	≤0.3

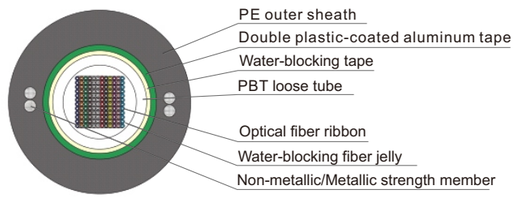
Standard Length

- Length: 2000m/4000m, or customer standard.

Central Loose Tube Optical Fiber Ribbon Cable GYDXTW (48-576 cores)

Product Description

- The Primary coating optical fibers are protected by central loose tube; optical fibers are gathered in the center of the cable; strength members are placed on two sides of the protective layer of cable.



Product Characteristics

- Small outer diameter, light weight, convenient construction.
- Completely solve the problem of tube shrinking.
- Stable control of cable excess length.
- Almost zero additional attenuation after cabling and no change of the dispersion value.
- Excellent environmental performance, applicable temperature range can reach -40℃ ~+70℃.

Product Application

- Interoffice communication, local area network, access network.

Structural Parameters

Fiber Count	Fiber count each ribbon	Max. number of fiber ribbon	Cable O.D (mm)	Cable Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)	
					Static	Dynamic	Short Term	Long Term	Short Term	Long Term
48-144	12	24	15.0	215	10 times O.D	20 times O.D	1500	600	1000	300
146-180	12	30	16.8	265						
182-216	12	36	17.8	300						
218-288	24	24	18.4	320						
290-360	24	30	20.2	380						
262-420	24	35	21.0	410						
432	24	36	21.7	435						
576	24	48	23.0	500						

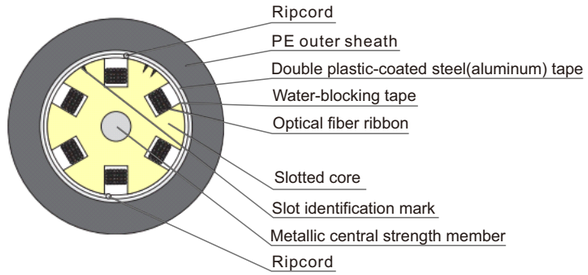
Optical Characteristics

Fiber Type	Attenuation (dB/km)	
	1310nm	1550nm
G.652D	≤0.4	≤0.3
G.657A	≤0.4	≤0.3

Standard Length

- Length: 2000m/4000m, or customer standard.

Slotted Core Optical Fiber Ribbon Cable GYDGA (40-1200 cores)



Product Description

- 300 cores and below: Place 4 cores or 6 cores optical fiber ribbon into a Z-type frame or SZ-type frame which is extruded by high-density polyethylene (HDPE). Wrap the frame with a layer of water-blocking tape and double-plastic coated steel (aluminum) tape for armor, and then extrude with a polyethylene outer sheath. The central strengthen member is a single-strand or multi-strand steel wire.
- above 300 cores: Place 6 cores or 8 cores or 12cores fiber ribbon into a Z-type frame which is extruded of high-density polyethylene (HDPE). Wrap the frame with a layer of water-blocking tape and double-plastic coated steel (aluminum) tape for armor, and then extrude with a polyethylene outer sheath. The central strengthen member is a single-strand or multi-strand steel wire. Fiber core maximum is 1200.

Product Characteristics

- smaller outer diameter, lighter weight, higher fiber density, compared with other types of cable with the same cores.
- largest fiber counts , compared with other types of cable with the same outer diameter.
- Excellent anti-side pressure and impact resistance.
- Adopt fast-expanding water-blocking tape to ensure the water-blocking of optical cable's bulk cross-section.
- Adopt a fully dry structure (no fiber jelly, no cable gel). Environmentally friendly; Shorten fusion preparation time, greatly improve construction efficiency, and can be protected by air inflation.
- After ripping off the sheath , the fiber ribbon can be easily taken out of the slot, and is easy and convenient for branching.
- Ripcords are placed between the cable core and sheath for easy splitting.
- Can be stranded with the signal wires in the slot if necessary.

Product Application

- Slotted Core Optical Fiber ribbon cable is a new type of cable with high core density, which fully meets the requirements of modern communications (FTTX) development. It improves construction efficiency and convenience, especially suitable for metropolitan area networks, access networks and junction networks.

Structural Parameters

Optical fiber ribbon series	Fiber Count	Direction of Rotation	Max fiber count each slot	Cable O.D (mm)	Cable weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)	
						Static	Dynamic	Short Term	Long Term	Short Term	Long Term
4-core ribbon	40	Z	12	10.9	110	10 times O.D	20 times O.D	1500	600	1000	300
	60	Z	16	11.6	129						
	96	Z	20	13.1	164						
	100	Z	24	12.8	151						
	144	Z	20	14.3	188						
	160	Z	20	15.1	202						
	200	Z	24	16.6	237						
	216	Z	24	16.5	236						
	288	Z	20	19.3	306						
	300	Z	24	20.4	333						
6-core ribbon	96	Z	24	12.7	158						
	120	Z	24	13.9	174						
	144	Z	36	14.5	190						
	216	Z	36	17.1	243						
	288	Z	48	17.8	265						
	384	Z	48	20.3	333						
	432	Z	60	21.3	372						
	600	Z	60	23.9	450						
	720	Z	80	26.1	530						
8-core ribbon	400	Z	80	20.1	347						
	600	Z	80	23.1	452						
	1000	Z	48	29.5	695						
12-core ribbon	144	Z	72	15.0	192						
	288	Z	96	17.3	258						
	360	Z	108	19.1	307						
	432	Z	84	19.8	331						
	504	Z	96	21.6	394						
	576	Z	108	21.6	402						
	648	Z	120	22.3	428						
	720	Z	108	23.3	463						
	864	Z	108	24.6	505						
	1080	Z	120	27.9	632						
	1200	Z	12	29.0	679						

Optical Characteristics

Fiber Type	Attenuation (dB/km)	
	1310nm	1550nm
G.652D	≤0.4	≤0.3
G.657A	≤0.4	≤0.3

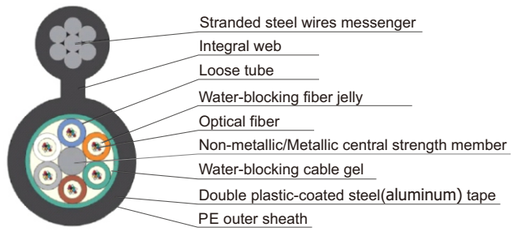
Standard Length

- Length: 2000m/4000m, or customer standard.

Stranded Loose Tube Figure-8 Self-Supporting Optical Fiber Cable GYTC8S[A] (2-144 cores)

Product Description

- The coated optical fiber is protected by loose tube; With steel stranded wire as messenger wire, and figure 8 cross section.



Product Characteristics

- Easy to install, with the steel stranded wire self -supporting, construction cost saving.
- Filled with water-blocking gel in every production process; the whole cross section is water resistance.
- Stable control of cable excess length.
- The additional attenuation is less than 0.02dB/Km and the dispersion value does not change after cabling.
- Excellent environmental performance, applicable temperature range from -40℃to +70℃.

Product Application

- Long-haul communication, inter-office communication.

Structural Parameters

Fiber Count	Steel strand specification	Cable O.D (mm)	Messenger O.D (mm)	Cable height (mm)	Cable weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Min. Breaking Tension (N)	Crush Load (N/100mm)	
						Static	Dynamic	Short Term	Long Term		Short Term	Long Term
2-30	1x7-4.2	9.8	6.4	18.8	210	10 times O.D	20 times O.D	7000	3500	15550	2000	1000
32-36		10.3		19.3	230							
38-60		10.7		19.7	230							
62-72		11.3		20.3	255							
74-96		12.9		21.9	290							
98-120		13.8		22.8	342							
122-144		15.2		24.2	378							

Optical Characteristics

Fiber Type	Attenuation (dB/km)	
	1310nm	1550nm
G.652D	≤0.4	≤0.3
G.657A	≤0.4	≤0.3

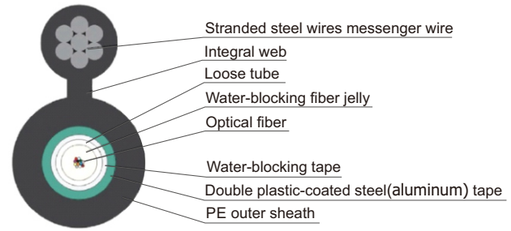
Standard Length

- Length: 2000m/4000m, or customer standard.

Central Loose Tube Figure-8 Self-Supporting Optical Fiber Cable GYXTC8S[A] (2-144cores)

Product Description

- The coated optical fiber is protected by loose tube; With steel stranded wire as messenger wire, and figure 8 cross section.



Product Characteristics

- Easy to install, with the steel stranded wire self -supporting, construction cost saving.
- Filled with water-blocking gel in all procedures, so that the whole cross section is water blocking.
- Stable control of cable excess length.
- The additional attenuation is less than 0.02dB/Km and the dispersion value does not change after cabling.
- Excellent environmental performance, applicable temperature range from -40℃to +70℃.

Product Application

- Long-haul communication, inter-office communication.

Structural Parameters

Fiber Count	Steel strand specification	Cable O.D (mm)	Messenger O.D (mm)	Cable height (mm)	Cable weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Min. Breaking Tension (N)	Crush Load (N/100mm)	
						Static	Dynamic	Short Term	Long Term		Short Term	Long Term
2-12	1x7-3.0	8.3	5.0	15.8	135	10 times O.D	20 times O.D	3000	1000	7990	2000	1000
12-24		9.1		16.6	158							
26-48		10.3		17.8	167							
50-60		10.8		18.3	192							
62-72		11.3		18.8	213							
74-96		12.3		19.8	242							
98-120		13.3		20.8	257							
122-144		14.0		21.5	292							

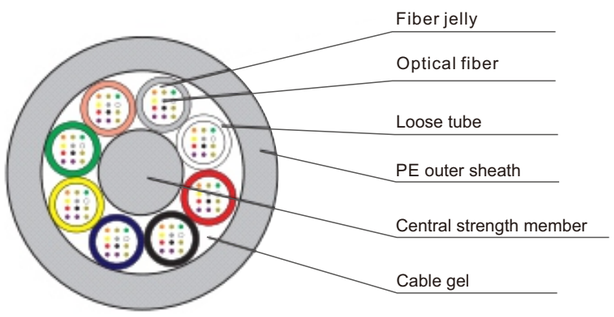
Optical Characteristics

Fiber Type	Attenuation (dB/km)	
	1310nm	1550nm
G.652D	≤0.4	≤0.3
G.657A	≤0.4	≤0.3

Standard Length

- Length: 2000m/4000m, or customer standard.

Air-Blow Mini Cable GYCFTY (2-288cores)



Product Description

- The air-blow mini cable is a central loose tube or loose tube stranded optical cable with a small size. Non-metallic reinforcement, no armor, can be installed in micro-duct by air blowing. Over-blow mini-tubes into the installed sub-duct made of HDPE or PVC, and then over-blow the mini cable into the mini tube.

Product Characteristics

- Small diameter, light weight, moderate hardness, suitable for air blowing.
- Non-metallic structure, no grounding required.
- High fiber density, making full use of duct resources.
- Easy to split, convenient for connection and construction.
- Convenient to expand, reducing the operator's early investment.
- Utilize existing duct resources to realize joint construction and sharing.

Product Application

- It is applied to FTTX projects, old residential building upgrading.
- For expansion of metropolitan area network.
- For expressway and private network.
- New trunk line and online expansion.

Structural Parameters

Optical cable model	Fiber Count	Cable O.D (mm)	Cable Weight (kg/km)	Minimum Bending Radius (mm)		Tensile Load (N)		Crush Load (N/100mm)	
				Static	Dynamic	Short Term	Long Term	Short Term	Long Term
GYCFXTY	2-12	3.4	12	10 times O.D	20 times O.D	0.5 times of the weight of the cable, fiber strain ≤ 0.3%	0.15 times the weight of the cable, fiber strain ≤ 0.1%	450	150
	14-24	4.2	16						
GYCFTY	2-72	5.0	26						
	74-96	6.0	35						
	98-120	7.0	45						
	122-144	7.7	54						
	146-216	8.2	59						
	218-288	9.2	78						

Optical Characteristics

Fiber Type	Attenuation (dB/km)	
	1310nm	1550nm
G.652D	≤0.4	≤0.3
G.657A	≤0.4	≤0.3

Standard Length

- Length: 2000m/4000m, or customer standard.

Fiber Cable Assemblies

Indoor Simplex and Duplex Patch Cord

Product Description



- Indoor simplex and duplex patch cord are made of indoor simplex/duplex optical cable with connectors fitted at both ends.
- Patch cords are classified by connector construction/cable diameter/ connector's ferrule /type of fiber.
- Connectors:FC, SC, LC, ST.
- Cable diameter: 0.9mm , 2.0mm, 3.0mm.
- Connector Ferrule: UPC and APC.
- Cable: single-mode and multi-mode.

Product Features



- Satisfy IEC-61754、YD/T 1272 series standard.
- It is a plug-and-play product, easy to use, low insertion loss, good repeatability, interchangeability and temperature stability.
- Excellent environmental adaptability.
- Connector strength ＞70N.
- Working Temperature： -40℃～+80℃.

Product Application

- Optical fiber communication system, optical fiber access network, optical fiber data transmission, local area network, wiring cabinet, etc.

Connector End face Geometric Parameters

Type	Radius of curvature	Vertex offset	Fiber Height	Angle
LC/PC	7-12mm	+50/-0nm	±50um	0
LC/APC	5-12mm	+50/-0nm	±50um	8±0.3°
SC/PC	10-25mm	+50/-0nm	±50um	0
SC/APC	5-12mm	+50/-0nm	±50um	8±0.3°

Optical Performance

Testing Item	Standard	Test Method
Insertion Loss	IL<0.30dB	IEC 61300-3-34
Return Loss	SM PC：RL>50 dB SM APC: RL>60 dB	IEC 61300-3-6
	MM：RL>25dB	

Suggested length

- 1~150m, customer standard.

Pre-connectorized Drop Cable Patch Cord

Product Description

- Pre-connectorized patch cord is assembled by drop cable and connector components.
- The outer diameter of the drop cable is usually 3.0*2.0mm, 5.3*2.0mm.
- Fiber count is 1 core or 2 cores.
- The connector is SC or FC.



Indoor 3.0*2.0

Product Features

- Satisfy IEC-61754、YD/T 1272 series standard.
- Select bending-resistant fiber to provide larger bandwidth and enhance network transmission characteristics.
- Simple fiber structure, light weight and strong practicability.
- Cable sheath is environmentally friendly, flame retardant and corrosion resistant.
- Connector strength >50N.
- Working Temperature : -40℃~+80℃.



Outdoor 5.3*2.0

Product Application

- FTTH, smart building, digital community, campus network, local area network, etc.

Connector End face Geometric Parameters

Type	Radius of curvature	Vertex offset	Fiber Height	Angle
LC/UPC	7-12mm	+50/-0nm	±50um	0
LC/APC	5-12mm	+50/-0nm	±50um	8±0.3°
SC/UPC	10-25mm	+50/-0nm	±50um	0
SC/APC	5-12mm	+50/-0nm	±50um	8±0.3°

Optical Performance

Testing Item	Standard	Test Method
Insertion Loss	IL<0.30dB	IEC 61300-3-34
Return Loss	SM PC: RL>50 dB SM APC: RL>60 dB	IEC 61300-3-6
	MM: RL>25dB	

Suggested Length

- Suggested length: 1~300m, customer standard.

Multi-core Indoor and Outdoor Patch Cord

Product Description

- These patch cords are assembled by indoor/outdoor multi-core optical fibers and connectors. According to the optical cable structure, they are classified as branch cable patch cord and bundled cable patch cord.
- Optic fiber cable diameter : 6.5mm, 7.2mm, 8.5mm, 9.0mm, 12.5mm, 16.5mm, 19.5mm etc.
- Fiber core count : 4, 6, 8, 12, 24, 36, 48 etc.
- Connector type : SC/FC/LC/ST.



Branch Patch Cord



Bundle Patch Cord

Product Features

- Satisfy IEC-61754、YD/T 1272 series standard.
- High-density integration, save space, improve installation efficiency.
- Connector pull strength >70N Branch pull strength>150N.
- Working Temperature : -25℃~+70℃.

Product Application

- FTTH, smart building, digital community, campus network, local area network, etc.

Connector End face Geometric Parameters

Type	Radius of curvature	Vertex offset	Fiber Height	Angle
LC/PC	7-12mm	+50/-0nm	±50um	0
LC/APC	5-12mm	+50/-0nm	±50um	8±0.3°
SC/PC	10-25mm	+50/-0nm	±50um	0
SC/APC	5-12mm	+50/-0nm	±50um	8±0.3°

Optical Performance

Testing Item	Standard	Test Method
Insertion Loss	IL<0.30dB	IEC 61300-3-34
Return Loss	SM PC: RL>50 dB SM APC: RL>60 dB	IEC 61300-3-6
	MM: RL>25dB	

Suggested Length

- 1~300m, customer standard.

FTTA CPRI Cable Patch Cord

Product Description

- The multi-core indoor and outdoor CPRI (common public radio interface) optical cable patch cord is assembled by a CPRI cable, tube splitter and optical connectors. The outer diameter of the optical cable is mostly 7.0mm.
- Fiber count:2 cores, 4 cores, and 8 cores etc.
- Connector type : SC/FC/LC/ST.



2 Cores CPRI cable patch cord

Product Features

- Satisfy IEC-61754、YD/T 1272 series standard.
- Optical cable has good mechanical characteristics.
- Strong tensile performance, flame retardant and corrosion resistance.
- Connector pull strength >70N Branch pull strength>150N.
- Working Temperature : -40℃~+80℃.



4 Cores CPRI cable patch cord

Product Application

- Building Baseband Unit(BBU) to Radio Remote Unit (RRU) connecting, FTTA outdoor base station access, optical fiber communication system, etc.

Connector End face Geometric Parameters

Type	Radius of curvature	Vertex offset	Fiber Height	Angle
LC/PC	7-12mm	+50/-0nm	±50um	0
LC/APC	5-12mm	+50/-0nm	±50um	8±0.3°
SC/PC	10-25mm	+50/-0nm	±50um	0
SC/APC	5-12mm	+50/-0nm	±50um	8±0.3°

Optical Performance

Testing Item	Standard	Test Method
Insertion Loss	IL<0.30dB	IEC 61300-3-34
Return Loss	SM PC：RL>50 dB SM APC: RL>60 dB	IEC 61300-3-6
	MM：RL>25dB	

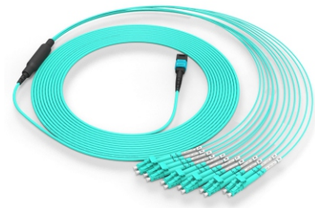
Suggested Length

- 1~200m, customer standard.

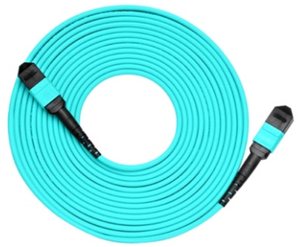
MPO/MTP

Product Description

- MPO/MTP are assembled by multi-core mini cables and connectors, it is widely used in data centers. It realize high-density connections. The 40G and 100G module interfaces specified by the IEEE.802.3ba standard are all based on the standard size of MPO connector. So in the current data center wiring network, MPO/MTP connector is used more and more to meet the needs of line transmission and future upgrades and expansion.
- Fiber count: mainly are 8, 12, 16, 24, and 32 core.
- outer diameter of the cable : 3.0mm, 3.5mm, 4.5mm, 5.0mm, 9.5mm, etc.
- Types: ribbon MPO jumpers and bundle MPO jumpers.
- Transfer type and non-transfer type.
- The transfer type can be transferred out of a 2-48 core 0.9 or 2.0 optical cable branch, and the branch connector is SC/FC/LC, etc.



12 Cores MPO/MPT



24 Cores MPO/MPT

Product Features

- Satisfy IEC-61754, YD/T 1272 series standard, Optical cable has good mechanical characteristics.
- High-density integration, high precision, low loss, save space, improve installation efficiency.
- Connector pull strength >70N, Branch pull strength>150N.
- Working Temperature : -25℃~+70℃.

Product Application

- Internal connection of data center, fiber to the building, optical module and other transceiver equipment, etc.

Connector End face Geometric Parameters

Muti Mode	Geometric parameters	X axis angle(°)	-0.20~0.20
		UPC:Y(°)	-0.2~0.2
		APC:Y(°)	7.8~8.2
		X Radius of curvature(mm)	≤-10000 or ≥2000
		Y Radius of curvature(mm)	≥5
	Fiber Tech-spec	Fiber Height(nm)	1000~3500
		Central Sunken(nm)	-100~300
		Max Fiber Height(nm)	0~500
		Max border Fiber Height(nm)	0~300

Optical Performance

Testing Item	Standard	Test Method
Insertion Loss	IL<0.35dB	IEC 61300-3-34
Return Loss	SM APC: RL>55 dB	IEC 61300-3-6
	MM：RL>25dB	

Suggested Length

- 1~300m, customer standard.

LC Uniboot Patch Cables

Features

- Available in OM3, OM4, OS1/OS2 (ITU-T G.652D or
- G.657A1) or ITU-T G.657A2 cabled fiber types
- Available with Enhanced (-UNI) or Low Loss Premium (-UNIDC) optical performance
- Available with LSZH, Plenum and Riser rated cable
- Save up to 68% of space in cabinets and cable ways
- Protects network polarity



Specifications

OPTICAL PERFORMANCE- STANDARD	SINGLE MODE	MULTIMODE	CONFORMANCE
Insertion loss (MAX/MASTER)	0.25 dB	0.25 dB	IEC 61300-3-4
Ave/Master	0.18 dB	0.15 dB	IEC 61300-3-4
Ave/Random	0.18 dB	0.20 dB	IEC 61300-3-34

OPTICAL PERFORMANCE- LOW LOSS PREMIUM	SINGLE MODE	MULTIMODE	CONFORMANCE
Insertion loss (MAX/MASTER)	0.15 dB	0.15 dB	IEC 61300-3-4
Ave/Master	0.12 dB	0.08 dB	IEC 61300-3-4
Ave/Random	0.12 dB	0.10 dB	IEC 61300-3-34

CHARACTERISTICS	UNITS	3 mm ROUND DUPLEX	2.4 mm ROUND DUPLEX
Cable Material		LSZH / Riser / Plenum	LSZH / Riser / Plenum
Strength Member		Aramid	Aramid
Crush	N/100 mm	1000	1000
Operating Temperature	°C	-20 to 60	-20 to 60
Secondary Buffer Diameter	µm	900 ± 50	600 ± 50
Minimum Bending Radius	mm	10D (installed) 20D (loaded)	10D (installed) 20D (loaded)

More details

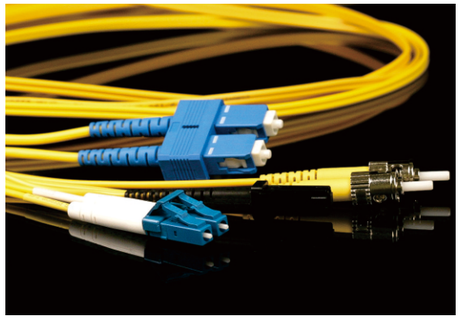




Ordinary Series

Features

- Simplex or duplex or multi fiber assemblies Standard Connector, various connector option : SC, FC, ST, LC, E2000, MU ect
- PC, UPC, and APC polish types Various fiber types : typical 9/125 SM, 50/125 MM and 62.5/125 MM
- 0.9 / 1.8 / 2.0 / 3.0 / mm outer diameter fiber optic cables
- Custom fiber optic cable lengths and jacket colors
- Riser or Plenum rated, LSZH and RoHS cables available
- Low insertion loss, IEC, TIA/EIA, Telcordia compliant



Fiber Optic Specifications

- Insertion Loss: ≤ 0.2 dB (UPC)
- Exchangeability: ≤ 0.2 dB
- Durability: <0.2dB typical change,500 matings
- Operating Temperature: - 40°C to +75 °C

Geometric Specification Endface

- Radius of Curvature: 10 to 25 mm(PC/UPC), 5 to 12 mm(APC)
- Apex Offset: ≤50 um
- High Fiber: ±100nm
- Angular Offset: 8°± 0.2°C (APC)

Specifications

Connector type	SC, FC, ST, LC, MU, SMA, E2000
Polish	PC , UPC, APC
Fiber Type	Single Mode(9/125um): OS1, OS2 Multi Mode(50/125um, 62.5/125um): OM1, OM2, OM3, OM4
Fiber Cable	Simplex Duplex
Jacket Material	LSZH, OFNP, OFNR, PVC
Cable Diameter	2.0/2.4/3.0mm

More details





PLC Splitter



HYOE's Fiber Optic Splitters are designed with precise alignment of optical fibers to provide equal optical power from input ports to multiple output ports.

With a wide operating wavelength range, high optical performance and reliability, HYOE's fiber optic splitters are suitable for using in PON networks to realize perfect optical signal power splitting.

HYOE's fiber optic splitters are available in different configurations, with SC-APC and LC-APC Adapters.

Bend-insensitive, G.657A LSZH singlemode optical fiber is used to provide low bending loss and protection against accidental tight bends down to 7.5 mm radius.

All our optical Splitters are factory tested with a detailed test report in packing case.

PLC Splitters

Features

- Reliable Performance
- Rugged Construction
- Easy Identification
- Speedy Installation



Specifications

Type			1*2	1*4	1*8	1*16	1*32	1*64	2*2	2*4	2*8	2*16	2*32	2*64
Premium Grade														
Insertion Loss at 23°C	Max	dB	4	7	10.4	13.5	16.8	20.5	4	7.3	10.6	13.9	17.2	20.8
Channel Uniformity	Max	dB	0.6	0.8	1	1.4	1.6	2	0.8	1	1.2	1.5	1.8	2
PDL	Max	dB	0.2	0.3	0.3	0.3	0.3	0.5	0.2	0.3	0.3	0.3	0.3	0.5
Standard Grade														
Insertion Loss at 23°C	Max	dB	4.2	7.3	10.6	13.8	17.1	20.8	4.2	7.5	11	14.5	17.5	21
Channel Uniformity	Max	dB	0.6	0.8	1	1.4	1.6	2	0.8	1	1.2	1.5	1.8	2
PDL	Max	dB	0.2	0.3	0.3	0.3	0.3	0.5	0.2	0.3	0.3	0.3	0.3	0.5
Operating wavelength	nm		1260 ~ 1650											
Return Loss	Max	dB	55(P Grade) / 50(S Grade)											
Directivity	Max	dB	55											
Operating Temperature	℃		-40 ~ +85											
Fiber Type	-		ITU G.657A Or Customization											

More details

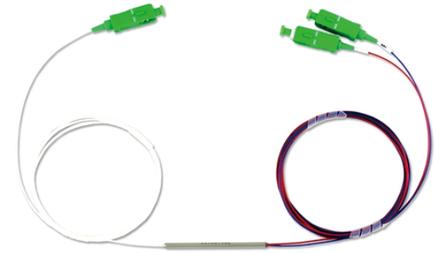




FBT Splitters

Features

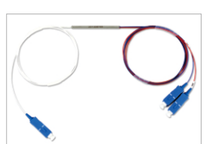
- Low Excess Loss
- Various Coupling Ratio
- Compact Size
- High Stability and Reliability



Specifications

Single Standard Splitter		
Grade	P Grade	A Grade
Coupling Ratio (%)	50/50	50/50
Excess Loss (Typical) (dB)	0.1	0.15
Maximum Insertion loss (dB)	3.4	3.6
Polarization Sensitivity (dB)	0.15	0.2
Operating Wavelength (nm)	1310, 1490, 1550, or custom wavelength	
Single Wide band Splitter		
Grade	P Grade	A Grade
Coupling Ratio (%)	50/50	50/50
Excess Loss (Typical) (dB)	0.07	0.1
Maximum Insertion loss (dB)	3.4	3.6
Polarization Sensitivity (dB)	0.15	0.2
Operating Wavelength (nm)	1310±40,1550±40, or custom wavelength	

More details



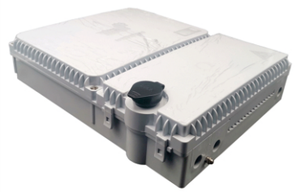


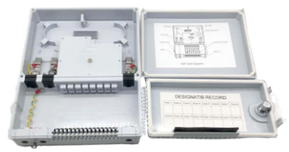
Optical Distribution Point

Optical Distribution Point box (ODP) is designed as a termination point to connect Feeder/Distribution cable to Subscribers' drop cable in FTTx communication network system. The fiber splicing, splitting, distribution can be done in this box, and meanwhile it provides solid protection and management for the FTTx network building.

Features

- It is made of PC+ABS/ABS, and totally enclosed structure, wet-proof, water-proof, dust-proof, anti-aging.
- It can be installed by the way of wall-mounted or poled-mounted.





FTB-101





FTB-102



FTB-103

Characteristics

Type	FTB-101	FTB-102	FTB-103
Capacity	16cores	24cores/16cores	12cores/8cores
Material	PC / ABS Alloy	PC / ABS Alloy	PC / ABS Alloy
Dimension(L*W*D,MM)	597.5*203*85	330*275*100	260*210*90
Splitter	PLC(1:8)/SC *2	With 24 pcs sc simplex adaptor Or PLC(1:8)/SC *2	With 12 pcs sc simplex adaptor Or PLC(1:8)

Fiber Optic Splice Closure

Fiber Optic Splice Enclosure Box is designed for outdoor fiber optical cables splice and joint. It provides space and protection for the fiber optic cable splicing and joint, the fiber cables since have excellent mechanical strength and strong out shell, which ensures the joints are not damaged by the hostile environment. There are mainly two types, horizontal types and dome type (also called vertical type).

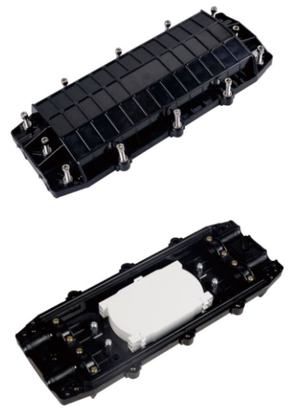
Features

- It is used for aerial, underground, duct-mounting and so on.
- The capacity of splice is from 24 fiber to max 192 fiber.
- Great mechanical performance.
- Great resisting aging performance.
- High air proof, damp proof and resisting lightning strike performance.
- The in and out channels can be two to six.





FTB-201H



FTB-202H



FTB-203V

Characteristics

Type	FTB-201H	FTB-202H	FTB-203V
Capacity	12-96 cores	48-96-144 cores	12-48 cores
Material	PC, PC+ABS,PP	PC, PP	PC, PC+ABS,PP
Dimension(MM)	480*155*110	460*190*115/140	305*Φ118
Inlet/outlet	2+2	2+2	1+3