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Fiber Optic Cables

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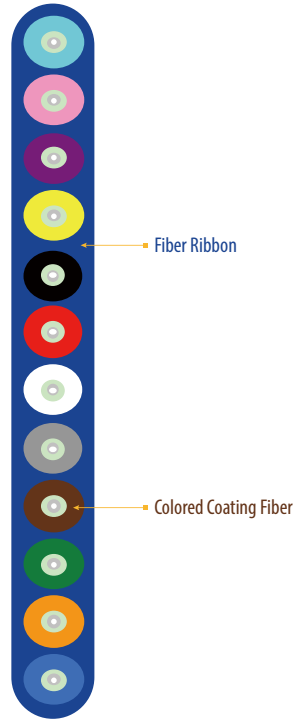


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- Catalogue 2019 -



Optical Fiber Ribbon

Features

- Good mechanical and environmental characteristics.
- The strippability characteristics of each fiber meet the relevant standards or customer requirements.
- The twist characteristics of fiber ribbon meet the relevant standards and customer requirements.
- The characteristics of single-mode and multi-mode fiber used in Fiber ribbon meet the requirements of relevant international and national standards.
- Full chromatogram is adopted. The color meets the requirements in GB 6995.2 and takes turns as following: blue, orange, green, brown, gray, white, red, black, yellow, violet, pink, turquoise, or other contracted color.
- Meet various requirements of market and clients.

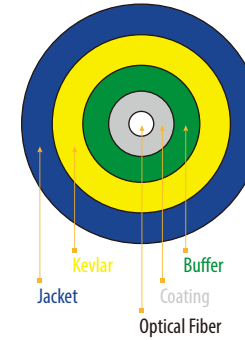
Application

- Used as the basic element of optical-fiber-ribbon indoor cable.
- Directly used in optical connections of equipments and apparatus in some special environment.

Options

- Fiber Type: G.652, G.655, G.657 single-mode fiber, A1a or A1b multi-mode fiber, or other types of fiber.
- Fiber Count: Total number of fiber in the ribbon.
- Delivery Length: 1KM or 2KM or other contracted length.
- Other Requirements: Basic requirements of fiber ribbon and other contracted individual requirements.

Fiber Count	Width(w) (mm)	Thickness(t) (mm)	Horizontal Space Between Adjacent Fibers(d) (mm)	Horizontal Space Between End Fibers(d) (mm)	Planarity(p) (um)
Optical Fiber Ribbon					
2	≤0.700	≤0.400	≤0.280	≤0.280	-
4	≤1.220	≤0.400	≤0.280	≤0.835	≤35
6	≤1.770	≤0.400	≤0.280	≤1.385	≤35
8	≤2.300	≤0.400	≤0.300	≤1.920	≤35
10	≤2.850	≤0.400	≤0.300	≤2.450	≤35
12	≤3.400	≤0.400	≤0.300	≤2.950	≤35



Simplex Round Indoor Cable

Features

- Good mechanical and environmental characteristics;
- Flame retardant characteristics meets the requirements of relevant standards;
- The mechanical characteristics meet the requirements of relevant standards;
- Soft, flexible, easy to splice, and with big capacity data transmission;
- Meet various requirements of market and clients

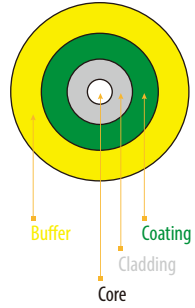
Application

- Used in pigtails and patch cord;
- Used in optical connections in optical communication equipment rooms and optical distribution frames
- Used in optical connections in optical apparatus and equipments.

Options

- Fiber Type: G.652, G.655, G.657 single-mode fiber, A1a or A1b multi-mode fiber, or other types of fiber;
- Jacket Material: Polyvinylchloride(PVC), Low smoke zero halogen(LSZH), Thermoplastic polyurethane(TPU), or other contracted material
- Jacket color: (including color of fiber) meets the requirements of relevant standards, or other contracted color
- Cable Dimension: The nominal cable dimension or other contracted dimension
- Delivery Length: 1KM or 2KM or other contracted length.
- Other Requirements: Other contracted special requests.

Fiber Count	Width(w) (mm)	Thickness(t) (mm)	Horizontal Space Between Adjacent Fibers(d) (mm)	Horizontal Space Between End Fibers(d) (mm)	Planarity(p) (um)
Simplex Round Indoor Cable					
2	≤0.700	≤0.400	≤0.280	≤0.280	-
4	≤1.220	≤0.400	≤0.280	≤0.835	≤35
6	≤1.770	≤0.400	≤0.280	≤1.385	≤35
8	≤2.300	≤0.400	≤0.300	≤1.920	≤35
10	≤2.850	≤0.400	≤0.300	≤2.450	≤35
12	≤3.400	≤0.400	≤0.300	≤2.950	≤35



Tight-Buffered Fiber

Features

- Good mechanical and environmental characteristics;
- The strippability characteristics of buffer meet the relevant standards or customer requirements;
- Meet various requirements of market and clients.

Application

- Tight-buffered fiber is the basic element of various indoor cables. Because of different buffer materials, the relevant indoor cables made out of tight-buffered fibers can meet different mechanical and environmental requirements, for example, large tensile (crush), high or low temperature, frequent bends, low smoke, no corrosive, environmental, field use, distribution cabinet (frame) and other generic use, etc;
- Tight-buffered fibers with various buffer material can also be used in pigtails, optical connections of various optical active and passive devices, instruments and terminal units.

Options

- Fiber Type: G.652, G.655, G.657 single-mode fiber, A1a or A1b multi-mode fiber, or other types of fiber;
- Material of buffer: Flame-retardant polyvinylchloride (PVC), low smoke zero halogen flame retardant polyolefin (LSZH), Thermoplastic Polyester Ester Elastomers (Hytrel), or other contracted material;
- Color of buffer: blue, orange, green, brown, gray, white, red, black, yellow, violet, pink, turquoise, or other contracted dimension;
- Outer diameter of fiber: The nominal diameters are 0.580mm and 0.880mm, or other contracted length.
- Delivery Length: 1KM or 2KM or other contracted length;
- Other Requirements: Other contracted special requests.

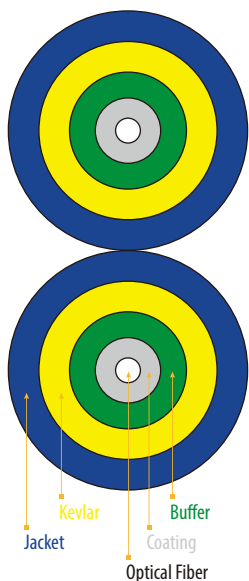
Items	Unit	G.652.D
Dimensional Specifications and Transmission Characteristics of single-mode fiber-G.652D		
Mode Field Diameter(1310nm)	um	8.7-9.5
Cladding Diameter	um	125.0±1.0
Core-Cladding Concentricity Error	um	≤0.6
Cladding Non-Circularity	%	≤1.0
Coating Diameter(un-colored)	um	245±7
Coating Diameter(colored)	um	250±15
Cladding-Coating Concentricity Error	um	≤12.0
Cut-off Wavelength λ _{cc}	um	≤1260
Bend Loss (R=30mm,100turns)	1310nm	≤0.34
	1550nm	≤0.20
Attenuation Coefficient	1550nm	dB/KM ≤0.20
	1625nm	≤0.23

Items	Unit	G.652.D
Dimensional Specifications and Transmission Characteristics of single-mode fiber-G.655		
Mode Field Diameter(1310nm)	um	9.0-10.1
Cladding Diameter	um	125.0±0.7
Core-Cladding Concentricity Error	um	≤0.6
Cladding Non-Circularity	%	≤1.0
Coating Diameter(un-colored)	um	245±7
Coating Diameter(colored)	um	250±15
Cladding-Coating Concentricity Error	um	≤12.0
Cut-off Wavelength λ _{cc}	um	≤1450
Bend Loss (R=30mm,100turns)	dB	1625nm≤0.05
Attenuation Coefficient	1550nm	dB/KM ≤0.22
	1625nm	≤0.24

Code	Fiber Type	Nominal Core Diameter(um)	Full Launching Bandwidth 850nm (MHz·KM)	Full Launching Bandwidth 1300nm(MHz·KM)	Effective Mode Bandwidth 850nm*(MHz·KM)
The Code Table of Multi-Fiber Bandwidth Characteristics					
OM1	A1b	50	≥200	≥600	Inapplicable
OM2	A1a	62.5	≥600	≥1200	Inapplicable
OM3	A1a.2	50	≥1500	≥500	≥2000
OM4	A1a.3	50	≥3500	≥500	≥4700
OM5	A1a.4	50	≥3500	≥500	≥4700
			≥1850 (953nm)	≥500	≥2470(953nm)

Items	Unit	G.657A1	G.657A2	G.657B3
Dimensional Specifications and Transmission Characteristics of Single-mode Fiber-G.657				
Mode Field Diameter(1310nm)	um	8.4-9.2	8.4-9.2	8.4-9.3
Cladding Diameter	um	125.0±0.7	-	-
Core-Cladding Concentricity Error	um	≤0.5	-	-
Cladding Non-Circularity	%	≤0.7	-	-
Coating Diameter(un-colored)	um	245±5	-	-
Coating Diameter(colored)	um	245±5	-	-
Cut-off Wavelength λ _{cc}	um	≤1260	-	-
	R=15mm,10turns	1550nm	≤0.25	≤0.03
	R=10mm,1turns	1550nm	≤0.75	≤0.1
	R=7.5mm,1turns	1550nm	-	≤0.2
Bend Loss	R=5mm,1turns	1550nm	-	≤0.15
	R=15mm,10turns	1625nm	-	-
	R=10mm,1turns	1625nm	≤1.5	≤0.2
	R=7.5mm,1turns	1625nm	-	≤0.5
Attenuation Coefficient	R=5mm,1turns	1625nm	-	≤0.45
	1310nm		≤0.35	≤0.35
	1385nm		≤0.35	≤0.35
	1550nm		≤0.21	≤0.21
	1625nm		≤0.23	≤0.23

Items	Unit	A1a	A1b
Dimensional Specifications and Transmission Characteristics of Multi-mode Fiber			
Core Diameter	um	50.0±2.5	62.5±2.5
Cladding Diameter	um	125.0±1.0	
Core Non-Circularity	um	≤6.0	
Cladding Non-Circularity	%	≤1.0	
Core-Cladding Concentricity Error	um	≤1.5	
Coating Diameter	1310nm	245±7	
	1385nm	250±15	
Cladding-Coating Concentricity Error	um	≤12.0	
Numeral Aperture(NA)	-	0.200±0.015	0.275±0.015
Optical Characteristics ClassA / ClassB			
Attenuation coefficient	850nm	dB/KM	≤2.3/≤2.5
	1300nm	dB/KM	≤0.6/≤0.7
Full injection bandwidth	850nm	MHz·KM	≥600/≥500
	1300nm	MHz·KM	≥1200/≥500



Duplex Flat Indoor Cable

Features

- Good mechanical and environmental characteristics;
- Flame retardant characteristics meet the requirements of relevant standards;
- The mechanical characteristics meet the requirements of relevant standards;
- Soft,flexible,easy to splice,and with big capacity data transmission;
- Meet various requirements of market and clients.

Application

- Used in pigtailed and patch cords;
- Used in optical connections in optical communication equipment rooms and optical distribution frames,and optical apparatus connectors;
- Used in indoor cabling

Options

- Fiber Type: G.652, G.655, G.657 single-mode fiber, A1a or A1b mult-mode fiber, or other types of fiber;
- Jacket Material: Polyvinylchloride(PVC), Low smoke zero halogen(LSZH), Thermoplastic polyurethane(TPU), or other contracted material
- Jacket color: (including color of fiber)meets the requirements of relevant standards, or other contracted color
- Cable Dimension: The nominal cable dimension or other contracted dimension
- Delivery Length: 1KM or 2KM or other contracted length.
- Other Requirements: Other contracted special requests.

Fiber Count	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile(N)		Crush(N/100mm)		Min.bend Radius(mm)		Range of Long Temperature(°C)
			Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
Duplex Flat Indoor Cable									
2	1.6*3.3	4.4	60	120	200	1000	50	30	-20°C ~ +60°C
	1.8*3.7	6.0	60	120	200	1000	50	30	
	2.0*4.1	7.2	90	150	200	1000	50	30	
	2.4*4.9	10.0	90	150	200	1000	50	30	
	2.8*5.7	13.0	160	300	200	1000	60	30	
	3.0*6.0	14.8	160	300	200	1000	60	30	

Note:1 The minimum bend radius(static) is 15mm when G.657 fiber is used

Features

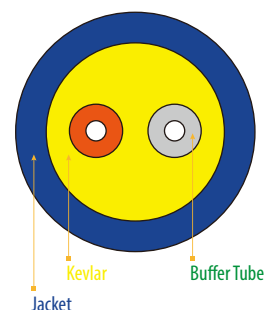
- Good mechanical and environmental characteristics;
- Flame retardant characteristics meet the requirements of relevant standards;
- The mechanical characteristics meets the requirements of relevant standards;
- Soft, flexible, easy to splice, and with big capacity data transmission;
- Meet various requirements of market and clients.

Options

- Used in indoor cabling especially in poor laying conditions;
- Used in optical connections in optical communication equipment rooms and optical distribution frames
- Used as pigtailed and patch cords

Fiber Count	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile(N)		Crush(N/100mm)		Min.bend Radius(mm)		Range of Long Temperature(°C)
			Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
Duplex Flat Indoor Cable									
2	2.8*4.8	13.1	100	200	300	1000	60	30	-20°C ~ +60°C
	3.0*5.0	14.8	100	200	300	1000	60	30	
	4.0*7.0	25.6	160	300	300	1000	80	40	

Note:1 The minimum bend radius(static) is 15mm when G.657 fiber is used



Duplex Round Indoor Cable

Features

- Good mechanical and environmental characteristics;
- The mechanical characteristics meet the requirements of relevant standards;
- Soft, flexible, easy to splice, and with big capacity data transmission;
- Meet various requirements of market and clients.

Application

- Used in indoor cabling
- Used in optical connections in optical communication equipment rooms and optical distribution frames

Options

- Fiber Type: G.652, G.655,G.657 single-mode fiber, A1a or A1b mult-mode fiber, or other types of fiber;
- Jacket Material: Polyvinylchloride(PVC), Low smoke zero halogen(LSZH), Thermoplastic polyurethane(TPU), or other contracted material;
- Jacket color: (including color of fiber)meets the requirements of relevant standards,or other contracted color;
- Cable Dimension: The nominal cable dimension or other contracted dimension;
- Delivery Length: 1KM or 2KM or other contracted length;
- Other Requirements: Other contracted special requests.

Fiber Count	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile(N)		Crush(N/100mm)		Min.bend Radius(mm)		Range of Long Temperature(°C)
			Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
Duplex Round Indoor Cable									
2	3.2	8.5	80	180	200	1000			-20°C ~ +60°C
	3.8	11.5	100	200	200	1000	20D	10D	
	4.5	15.2	150	300	200	1000			
	5.0	17.5	200	400	200	1000			

Note:1 D is outer diameter of the round tale

Note:2 Themimum bend radius(static)is 5D when G.657fiber is used

Features

- Good mechanical and environmental characteristics;
- Flame retardant characteristics meet the requirements of relevant standards;
- The mechanical characteristics meet the requirements of relevant standards;
- Soft,flexible,easy to splice,and with big capacity data transmission;
- Meet various requirements of market and clients.

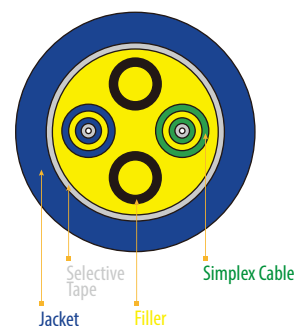
Application

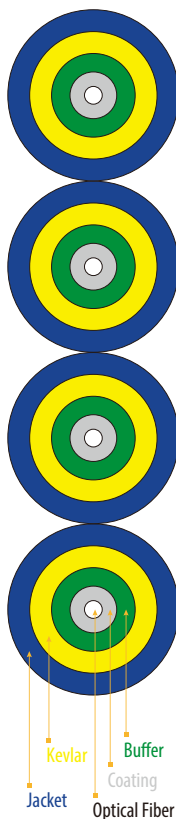
- Used in indoor cabling, especially in poor laying conditions;
- Used in optical connections in optical communication equipment rooms and optical distribution frames;
- Used as pigtailed and patch cords

Fiber Count	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile(N)		Crush(N/100mm)		Min.bend Radius(mm)		Range of Long Temperature(°C)
			Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
Duplex Round Indoor Cable									
2	7.0	37.2	150	300	300	1000	20D	10D	-20°C ~ +60°C
	10.0	63.8	250	500	300	1000			

Note:1 D is outer diameter of the round tale

Note:2 Themimum bend radius(static)is 5D when G.657fiber is used





4-Fiber Parallel Indoor Cable

Features

- Good mechanical and environmental characteristics;
- The mechanical characteristics meet the requirements of relevant standards;
- Soft, flexible, easy to splice, and with big capacity data transmission;
- Meet various requirements of market and clients.

Application

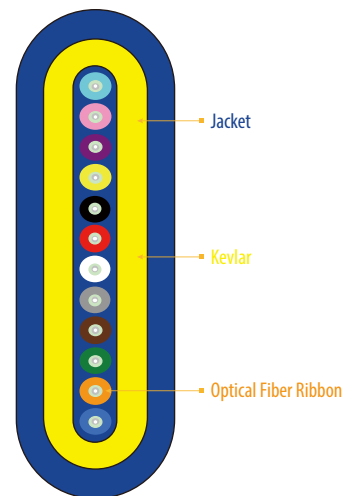
- Used in indoor cabling
- Used as access building cable
- Used as interconnect lines of equipments, and used in optical connections in optical communication rooms and optical distribution frames;
- Used as pigtailed and patch cords

Options

- Fiber Type: G.652, G.655, G.657 single-mode fiber, A1a or A1b multi-mode fiber, or other types of fiber;
- Jacket Material: Polyvinylchloride(PVC), Low smoke zero halogen(LSZH), Thermoplastic polyurethane(TPU), or other contracted material;
- Jacket color: (including color of fiber) meets the requirements of relevant standards, or other contracted color;
- Cable Dimension: The nominal cable dimension or other contracted dimension
- Delivery Length: 1KM or 2KM or other contracted length.
- Other Requirements: Other contracted special requests.

Fiber Count	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile(N)		Crush(N/100mm)		Min.bend Radius(mm)		Range of Long Temperature(°C)
			Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
4-Fiber Parallel Indoor Cable									
4	3.2	8.5	80	180	200	1000	20D	10D	-20°C ~ +60°C

Note:1 D is outer diameter of the round tale
 Note:2 The minimum bend radius(static) is 5D when G.657 fiber is used



Flat Optical-fiber Ribbon Indoor Cable

Features

- Used in indoor cabling, especial used in good laying conditions;
- Used in optical connections in optical communication equipment rooms and optical distribution frames, optical apparatus and equipments;
- Used as pigtailed and patch cords;
- Used as access building cable.

Application

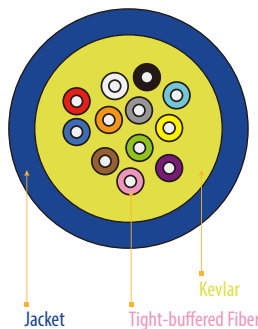
- Used in indoor cabling, especial used in good laying conditions;
- Used in optical connections in optical communication equipment rooms and optical distribution frames, optical apparatus and equipments;
- Used as pigtailed and patch cords;
- Used as access building cable.

Options

- Fiber Type: G.652, G.655, G.657 single-mode fiber, A1a or A1b multi-mode fiber, or other types of fiber;
- Fiber Count: The fiber count is usually 2,4,6,8 or 12 or other specified fiber count by clients.
- Jacket Material: Polyvinylchloride(PVC), Low smoke zero halogen(LSZH), Thermoplastic polyurethane(TPU), or other contracted material
- Jacket color: (including color of fiber) meets the requirements of relevant standards, or other contracted color
- Cable Dimension: The nominal cable dimension or other contracted dimension
- Delivery Length: 1KM or 2KM or other contracted length.
- Other Requirements: Other contracted special requests.

Fiber Count	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile(N)		Crush(N/100mm)		Min.bend Radius(mm)		Range of Long Temperature(°C)
			Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
Flat Optical-fiber Ribbon Indoor Cable									
4	2.2*3.5	7.4	80	200	200	500	50	30	-20°C ~ +60°C
6	2.2*4.0	8.2	80	200	200	500	50	30	
8	2.2*4.5	9.3	80	200	200	500	50	30	
12	2.2*5.0	10	80	200	200	500	50	30	

Note:1 The minimum bend radius(static) is 5D when G.657 fiber is used



Multi-fiber Distribution Indoor Cable I

Features

- Good mechanical and environmental characteristics;
- Flame retardant characteristics meet the requirements of relevant standards;
- The mechanical characteristics meet the requirements of relevant standards;
- Soft, flexible, easy to splice, and with big capacity data transmission;
- Meet various requirements of market and clients.

Application

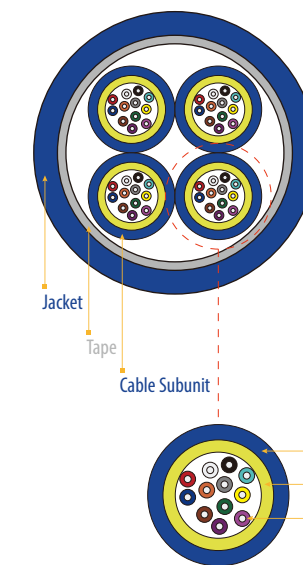
- Used in indoor cabling, especially in poor laying conditions;
- Used in optical connections in optical communication equipment rooms and optical distribution frames;
- Used as pigtails and patch cords

Options

- Fiber Type: G.652, G.655, G.657 single-mode fiber, A1a or A1b multi-mode fiber, or other types of fiber;
- Jacket Material: Polyvinylchloride(PVC), Low smoke zero halogen(LSZH), Thermoplastic polyurethane(TPU), or other contracted material
- Fiber Count: Total number of fibers in the cable
- Jacket color: (including color of fiber)meets the requirements of relevant standards, or other contracted color
- Cable Dimension: The nominal cable dimension or other contracted dimension
- Delivery Length: 1KM or 2KM or other contracted length.
- Other Requirements: Other contracted special requests.

Fiber Count	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile(N)		Crush(N/100mm)		Min.bend Radius(mm)		Range of Long Temperature(°C)
			Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
Multi-fiber Distribution Indoor Cable I									
4	5.0	19.0	130	440	200	1000	20D	10D	
6	5.2	23.0	130	440	200	1000	20D	10D	
8	5.5	26.0	130	440	200	1000	20D	10D	
12	6.5	36.5	200	660	200	1000	20D	10D	-20°C ~ +60°C
16	7.5	44.5	200	660	200	1000	20D	10D	
24	8.2	54.5	200	660	200	1000	20D	10D	
36	9.0	72.0	200	660	200	1000	20D	10D	
48	10.5	90.0	200	660	200	1000	20D	10D	

Note:1 D is outer diameter of the round tale
 Note:2 The cable dimension and weight are in accordance with the tight-buffered fiber of 0.9mm outer diameter
 Note:3 The minimum bend radius(static)is 5D when G.657fiber is used



Multi-fiber Distribution Indoor Cable II

Features

- Good mechanical and environmental characteristics;
- Flame retardant characteristics meet the requirements of relevant standards;
- The mechanical characteristics meet the requirements of relevant standards;
- Soft, flexible, easy to splice, and with big capacity data transmission;
- Meet various requirements of market and clients.

Application

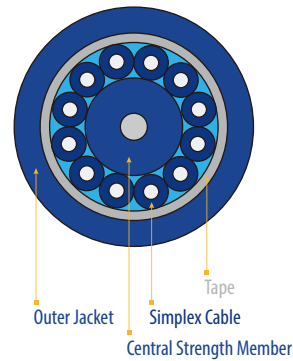
- Used in indoor cabling, especially used as distribution cable

Options

- Fiber Type:G.652, G.655,G.657 single-mode fiber, A1a or A1b multi-mode fiber, or other types of fiber;
- Jacket Material: Polyvinylchloride(PVC), Low smoke zero halogen(LSZH), Thermoplastic polyurethane(TPU), or other contracted material
- Fiber Count: Total number of fibers in the cable
- Jacket color: (including color of fiber)meets the requirements of relevant standards, or other contracted color
- Cable Dimension: The nominal cable dimension or other contracted dimension
- Delivery Length: 1KM or 2KM or other contracted length.
- Other Requirements: Other contracted special requests.

Fiber Count	Subunit Count	Fiber Count in Each Unit	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile(N)		Crush(N/100mm)		Min.bend Radius(mm)		Range of Long Temperature(°C)
					Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
Multi-fiber Distribution Indoor Cable II											
16	4	4	12.5	125	400	1320	300	1000	20D	10D	
24	6	4	15.0	183	400	1320	300	1000	20D	10D	
36	6	6	17.0	238	400	1320	300	1000	20D	10D	
48	6	8	18.5	292	400	1320	300	1000	20D	10D	-20°C ~ +60°C
64	8	8	22.0	410	400	1320	300	1000	20D	10D	
72	6	12	22.5	390	400	1320	300	1000	20D	10D	
96	8	12	25.5	546	600	1500	300	1000	20D	10D	
144	12	12	33.5	1004	800	2000	300	1000	20D	10D	

Note:1 D is outer diameter of the round tale
 Note:2 The cable dimension and weight are in accordance with the tight-buffered fiber of 0.9mm outer diameter
 Note:3 The minimum bend radius(static)is 5D when G.657fiber is used



Multi-fiber Breakout Indoor Cable I

Features

- Good mechanical and environmental characteristics.
- Flame retardant characteristics meet the requirements of relevant standards.
- The mechanical characteristics meet the requirements of relevant standards.
- Soft, flexible, easy to splice, and with big capacity data transmission.
- Meet various requirements of market and clients.

Application

- Used in indoor cabling, especially used as breakout cable.
- Used as access building cable.
- Used as interconnect lines of equipments, and used in optical connections in optical communication equipment rooms and distribution frames.
- Used as pigtails and patch cords.

Options

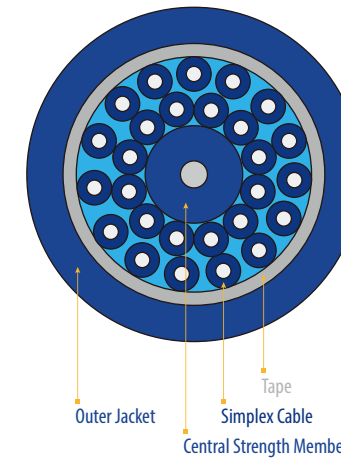
- Fiber Type: G.652, G.655, G.657 single-mode fiber, A1a or A1b multi-mode fiber, or other types of fiber.
- Jacket Material: Polyvinylchloride(PVC), Low smoke zero halogen(LSZH), Thermoplastic polyurethane(TPU), or other contracted material.
- Fiber Count: Total number of fibers in the cable.
- Jacket color: (including color of fiber) meets the requirements of relevant standards, or other contracted color.
- Cable Dimension: The nominal cable dimension or other contracted dimension.
- Delivery Length: 1KM or 2KM or other contracted length.
- Other Requirements: Other contracted special requests.

Fiber Count	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile(N)		Crush(N/100mm)		Min.bend Radius(mm)		Range of Long Temperature(°C)
			Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
Multi-fiber Breakout Indoor Cable I									
4	7.5	45.0	200	400	300	1000	20D	10D	
6	8.5	60.0	250	600	300	1000	20D	10D	-20°C ~ +60°C
8	10.0	91.0	300	800	300	1000	20D	10D	
12	12.5	145.0	400	1000	300	1000	20D	10D	

Note:1 D is outer diameter of the round tale

Note:2 The cable dimension and weight are in accordance with the tight-buffered fiber of 0.9mm outer diameter

Note:3 The minimum bend radius(static) is 5D when G.657 fiber is used



Multi-fiber Breakout Indoor Cable II

Features

- Good mechanical and environmental characteristics.
- Flame retardant characteristics meet the requirements of relevant standards.
- The mechanical characteristics meet the requirements of relevant standards.
- Soft, flexible, easy to splice, and with big capacity data transmission.
- Meet various requirements of market and clients.

Application

- Used in indoor cabling, especially used as breakout cable.
- Used as access building cable.
- Used as interconnect lines of equipments, and used in optical connections in optical communication equipment rooms and distribution frames.
- Used as pigtails and patch cords.

Options

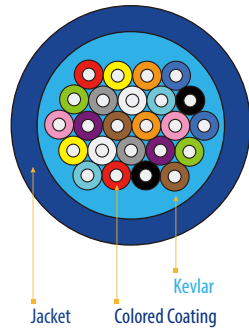
- Fiber Type: G.652, G.655, G.657 single-mode fiber, A1a or A1b multi-mode fiber, or other types of fiber.
- Jacket Material: Polyvinylchloride(PVC), Low smoke zero halogen(LSZH), Thermoplastic polyurethane(TPU), or other contracted material.
- Fiber Count: Total number of fibers in the cable.
- Jacket color: (including color of fiber) meets the requirements of relevant standards, or other contracted color.
- Cable Dimension: The nominal cable dimension or other contracted dimension.
- Delivery Length: 1KM or 2KM or other contracted length.
- Other Requirements: Other contracted special requests.

Fiber Count	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile(N)		Crush(N/100mm)		Min.bend Radius(mm)		Range of Long Temperature(°C)
			Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
Multi-fiber Breakout Indoor Cable II									
16	12.0	120	500	1500	300	1000	20D	10D	
24	15.0	178	800	2200	300	1000	20D	10D	-20°C ~ +60°C
36	17.5	200	1000	3000	300	1000	20D	10D	
48	20.0	247	1500	4000	300	1000	20D	10D	

Note:1 D is outer diameter of the round tale

Note:2 The cable dimension and weight are in accordance with the tight-buffered fiber of 0.9mm outer diameter

Note:3 The minimum bend radius(static) is 5D when G.657 fiber is used



Miniature Indoor Cable I

Features

- Good mechanical and environmental characteristics.
- Flame retardant characteristics meet the requirements of relevant standards.
- The mechanical characteristics meet the requirements of relevant standards.
- Soft, flexible, easy to Lay and splice, and with big capacity data transmission;
- Meet various requirements of market and clients.

Application

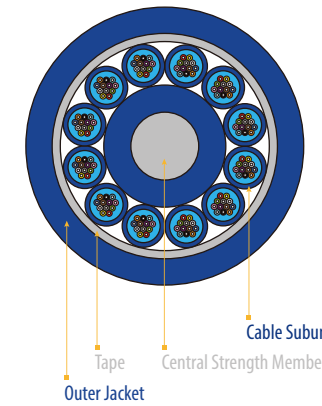
- Used in indoor cabling.
- Used as access building cable.
- Used as interconnect lines of equipments, and used in optical connections in optical communication rooms and optical distribution frames.
- Used as pigtailed and patch cords.

Options

- Fiber Type: G.652, G.655, G.657 single-mode fiber, A1a or A1b mulit-mode fiber, or other types of fiber.
- Jacket Material: Polyvinylchloride(PVC), Low smoke zero halogen(LSZH), Thermoplastic polyurethane(TPU), or other contracted material.
- Fiber Count: Total number of fibers in the cable.
- Jacket color: (including color of fiber)meets the requirements of relevant standards, or other contracted color
- Cable Dimension: The nominal cable dimension or other contracted dimension.
- Delivery Length: 1KM or 2KM or other contracted length.
- Other Requirements: Other contracted special requests.

Fiber Count	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile(N)		Crush(N/100mm)		Min.bend Radius(mm)		Range of Long Temperature(°C)
			Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
Miniature Indoor Cable I									
1	2.0	3.5	40	80	100	500	50	30	
2	2.0	3.7	40	80	100	500	50	30	
4	2.0	3.9	40	80	100	500	50	30	
6	2.4	5.2	60	100	100	500	60	30	-20°C ~ +60°C
8	2.8	7.4	60	100	100	500	60	30	
12	3.0	8.2	60	100	100	500	60	30	
24	3.0	9.4	60	100	100	500	60	30	

Note:1 D is outer diameter of the round tale
 Note:2 Themimum bend radius(static)is 5D when G.657fiber is used



Miniature Indoor Cable II

Features

- Good mechanical and environmental characteristics.
- Flame retardant characteristics meet the requirements of relevant standards.
- The mechanical characteristics of jacket meet the requirements of relevant standards.
- Soft, flexible, easy to splice, and with big capacity data transmission.
- Meet various requirements of market and clients.

Application

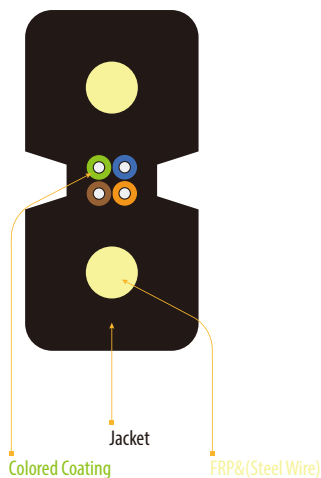
- Used in indoor cabling.
- Used as access building cable.
- Used as interconnect lines of equipments, and used in optical connections in optical communication room and optical distribution frames.
- Used as pigtailed and patch cords.

Options

- Fiber Type: G.652, G.655, G.657 single-mode fiber, A1a or A1b mulit-mode fiber, or other types of fiber.
- Jacket Material: Polyvinylchloride(PVC), Low smoke zero halogen(LSZH), Thermoplastic polyurethane(TPU), or other contracted material.
- Fiber Count: Total number of fibers in the cable.
- Jacket color: (including color of fiber)meets the requirements of relevant standards, or other contracted color
- Cable Dimension: The nominal cable dimension or other contracted dimension.
- Delivery Length: 1KM or 2KM or other contracted length.
- Other Requirements: Other contracted special requests.

Fiber Count	Subunit Count	Fiber Count in Each Unit	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile(N)		Crush(N/100mm)		Min.bend Radius(mm)		Range of Long Temperature(°C)
					Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
Miniature Indoor Cable II											
36	3	12	10.0	79	200	600	300	1000	20D	10D	
48	4	12	10.0	80	200	600	300	1000	20D	10D	
60	5	12	11.0	110	300	1000	300	1000	20D	10D	
72	6	12	12.0	130	300	1000	300	1000	20D	10D	-20°C ~ +60°C
96	8	12	14.0	180	300	1000	300	1000	20D	10D	
144	12	12	17.0	290	300	1000	300	1000	20D	10D	
288	12	24	17.0	304	300	1000	300	1000	20D	10D	

Note:1 D is outer diameter of the round tale
 Note:2 The cable dimension and weight are in accordance with the tight-buffered fiber of 0.9mm outer diameter
 Note:3 Themimum bend radius(static)is 5D when G.657fiber is used



Indoor Drop Cable

Features

- Good mechanical and environmental characteristics.
- Flame retardant characteristics meet the requirements of relevant standards.
- The mechanical characteristics meet the requirements of relevant standards.
- Soft,flexible,easy to lay and splice,and with big capacity data transmission.
- Meet various requirements of market and clients.

Application

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

Options

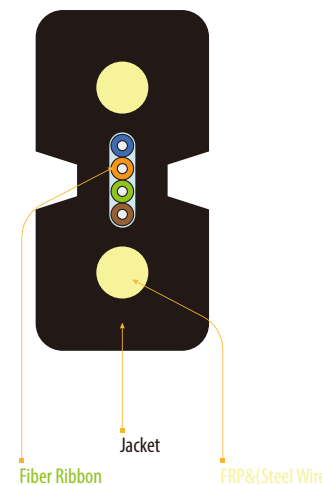
- Fiber Type: G.652, G.655, G.657 single-mode fiber, A1a or A1b mult-mode fiber, or other types of fiber.
- Jacket Material: Polyvinylchloride(PVC), Low smoke zero halogen(LSZH), Thermoplastic polyurethane(TPU), or other contracted material.
- Fiber Count: Total number of fibers in the cable.
- Jacket color: (including color of fiber)meets the requirements of relevant standards, or other contracted color.
- Cable Dimension: The nominal cable dimension or other contracted dimension.
- Delivery Length: 1KM or 2KM or other contracted length.
- Other Requirements: Other contracted special requests.

Fiber Count	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile(N)		Crush(N/100mm)		Min.bend Radius(mm)		Range of Long Temperature(°C)
			Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
Indoor Drop Cable									
1	3.0*2.0	9.0	40/100	80/200	500/1000	1000/2200	60	30	
2	3.0*2.0	9.0	40/100	80/200	500/1000	1000/2200	60	30	-20°C ~ +60°C
4	3.0*2.0	9.0	40/100	80/200	500/1000	1000/2200	60	30	

Note:1 The cable core use the coating fiber of 250um

Note:2 The tensile and crush of the cable are accordance with the values in the table when the strenght member of FRP and Steel are used;

Note:3 The minimum bend radius(static)is 15mm when G.657 fiber is used



Indoor Drop Ribbon Cable

Features

- Good mechanical and environmental characteristics.
- Flame retardant characteristics meet the requirements of relevant standards.
- The mechanical characteristics meet the requirements of relevant standards.
- Soft,flexible,easy to lay and splice,and with big capacity data transmission.
- Meet various requirements of market and clients.

Application

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

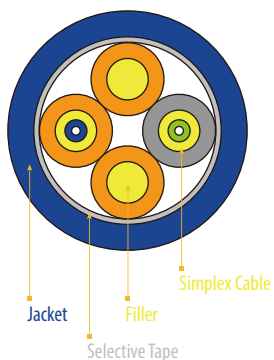
Options

- Fiber Type: G.652, G.655,G.657 single-mode fiber, A1a or A1b mult-mode fiber, or other types of fiber.
- Jacket Material: Polyvinylchloride(PVC), Low smoke zero halogen(LSZH), Thermoplastic polyurethane(TPU), or other contracted material.
- Fiber Count: Total number of fibers in the cable.
- Jacket color: (including color of fiber)meets the requirements of relevant standards, or other contracted color.
- Cable Dimension: The nominal cable dimension or other contracted dimension.
- Delivery Length: 1KM or 2KM or other contracted length.
- Other Requirements: Other contracted special requests.

Fiber Count	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile(N)		Crush(N/100mm)		Min.bend Radius(mm)		Range of Long Temperature(°C)
			Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
Indoor Drop Ribbon Cable									
4	4.0*2.0	12	40/100	80/200	500/1000	1000/2200	60	30	20°C ~ +60°C

Note:1 The minimum bend radius(static)is 5D when G.657fiber is used

Note:2 The tensile and crush of the cable are accordance with the values in the table when the strenght member of FRP and Steel are used;



Duplex Round Far Transmission Cable I

Features

- Good mechanical and environmental characteristics.
- Flame retardant characteristics meet the requirements of relevant standards.
- The mechanical characteristics meet the requirements of relevant standards.
- Soft, flexible, easy to lay and splice, and with big capacity data transmission.
- Meet various requirements of market and clients.

Application

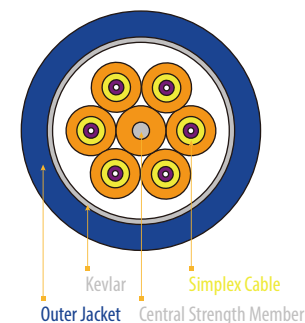
- Used in indoor cabling, especially used for FTTH.
- Used as access building cable.

Fiber Count	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile(N)		Crush(N/100mm)		Min.bend Radius(mm)		Range of Long Temperature(°C)
			Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
Duplex Round Far Transmission Cable I									
2	7	43	200	400	500	1000	20D	10D	20°C ~ +60°C

Note:1 The cable dimension and weight are in accordance with the simplex cable of 2.0mm outer diameter
 Note:2 D is outer dimension of the round cable
 Note:3 The minimum bend radius(static)is 5D when G.657 fiber is used

Options

- Fiber Type: G.652, G.655, G.657 single-mode fiber, A1a or A1b mult-mode fiber, or other types of fiber.
- Jacket Material: Polyvinylchloride(PVC), Low smoke zero halogen(LSZH), Thermoplastic polyurethane(TPU), or other contracted material.
- Fiber Count: Total number of fibers in the cable.
- Jacket color: (including color of fiber)meets the requirements of relevant standards, or other contracted color.
- Cable Dimension: The nominal cable dimension or other contracted dimension.
- Delivery Length: 1KM or 2KM or other contracted length.
- Other Requirements: Other contracted special requests.



Used For Field Operation Cable I

Features

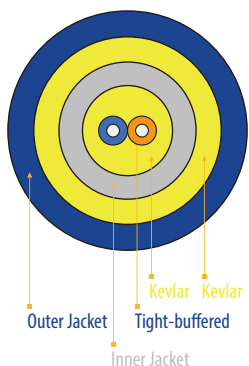
- Good mechanical and environmental characteristics.
- The mechanical characteristics meet the requirements of relevant standards.
- High intensity and light weight.
- Easy to splice and convenient laying,and with big capacity data transmission.
- Meet various requirements of market and clients.

Application

- Used as field cable.
- Used in outside cabling.
- Used in poor condition outside cabling.
- Used in temporary cabling,meets the requirements of repeat cabling.

Fiber Count	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile(N)		Crush(N/100mm)		Min.bend Radius(mm)		Range of Long Temperature(°C)
			Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
Used For Field Operation Cable I									
2	5.2	24	500	1000	500	1500	20D	10D	-20°C ~ +60°C
4	5.2	24	500	1000	500	1500	20D	10D	
6	6.0	31	500	1000	500	1500	20D	10D	

Note:1 The cable dimension and weight are in accordance with the tight-buffered fiber of 0.9mm outer diameter
 Note:2 D is outer dimension of the round cable
 Note:3 The minimum bend radius(static)is 5D when G.657 fiber is used



Duplex Round Far Transmission Cable II

Features

- Good mechanical and environmental characteristics.
- Flame retardant characteristics meet the requirements of relevant standards.
- The mechanical characteristics meet the requirements of relevant standards.
- Soft,flexible,easy to lay and splice,and with big capacity data transmission.
- Meet various requirements of market and clients.

Application

- Mainly used in wireless base station (BS) horizaontal and vertical cabling.

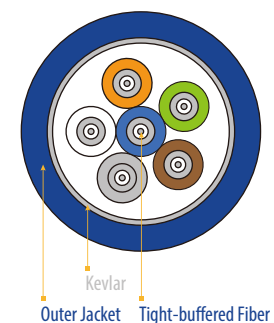
Fiber Count	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile(N)		Crush(N/100mm)		Min.bend Radius(mm)		Range of Long Temperature(°C)
			Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
Duplex Round Far Transmission Cable II									
4	4.0*2.0	12	40/100	80/200	500/1000	1000/2200	60	30	20°C ~ +60°C

Note:1 D is outer dimension of the round cable

Note:2 The minimum bend radius(static)is 5D when G.657 fiber is used

Options

- Fiber Type: G.652, G.655, G.657 single-mode fiber, A1a or A1b mult-mode fiber, or other types of fiber.
- Jacket Material: Polyvinylchloride(PVC), Low smoke zero halogen(LSZH), Thermoplastic polyurethane(TPU), or other contracted material.
- Jacket color: (including color of fiber)meets the requirements of relevant standards, or other contracted color.
- Cable Dimension: The nominal cable dimension or other contracted dimension.
- Delivery Length: 1KM or 2KM or other contracted length.
- Other Requirements: Other contracted special requests.



Used For Field Operation Cable II

Features

- Good mechanical and environmental characteristics.
- High intensity and light weight.
- Easy to splice and convenient laying,and with big capacity data transmission.
- Meet various requirements of market and clients.

Options

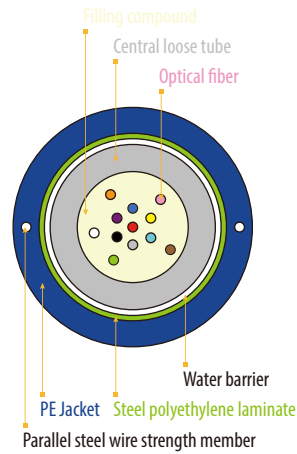
- Fiber Type: G.652, G.655, G.657 single-mode fiber, A1a or A1b mult-mode fiber, or other types of fiber.
- Fiber Count: The fiber count is usually 1-6 or other contracted fiber count.
- Jacket Material: Environmental thermoplastic polyurethane(TPU), or other contracted material.
- Jacket color: Black, or other contracted color.
- Cable Dimension: The nominal cable dimension, or other contracted dimension.
- Delivery Length: 1KM or 2KM or other contracted length.
- Other Requirements: Other contracted special requests.

Application

- Used as field cable.
- Used in outside cabling.
- Used in poor condition outside cabling.
- Used in temporary cabling,meets the requirements of repeat cabling.

Fiber Count	Cable Dimension (mm)	Cable Weight (kg/km)	Tensile(N)		Crush(N/100mm)		Min.bend Radius(mm)		Range of Long Temperature(°C)
			Long Term	Short Term	Long Term	Short Term	Dynamic	Static	
Used For Field Operation Cable II									
2	8.3	46	600	1500	1000	2000	20D	10D	-20°C ~ +60°C
4	8.3	48	600	1500	1000	2000	20D	10D	
6	9.4	66	600	1500	1000	2000	20D	10D	

Note:1 The cable dimension and weight are in accordance with the tight-buffered fiber of 0.9mm outer diameter
 Note:2 D is outer dimension of the round cable
 Note:3 The minimum bend radius(static)is 5D when G.657 fiber is used



Armoured Loose Tube Cable (Central Bundled, Outdoor) GYXTW

Features

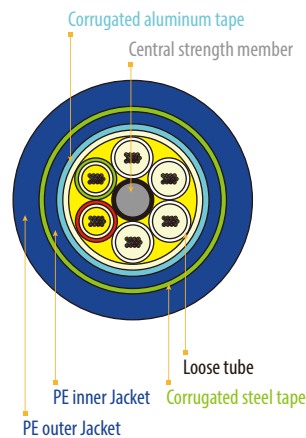
- The two parallel round steel wires enhance tensile strength, tension-resistance and crush resistance.
- Good mechanical performance, jacket with good ultra violet resistant property.
- Small outer diameter, lightweight, tight structure, excellent bending property and suitable to installation and operation.

Applications Long distance and Local Area Network(LAN) communication

Laying method Conduit, Aerial

Temperature range -40°C - +70°C

Fiber Count	Outer Diameter (mm)	Nominal Weight (kg/km)	Max. Tensile(N)		Min. bend Radius(mm)		Max. Crush Resistance
			Long Term	Short Term	Dynamic	Static	
Armoured Loose Tube Cable (Central Bundled, Outdoor) GYXTW							
2	8.3	66	600	1500	20D	10D	3000
4	8.3	66	600	1500	20D	10D	3000
6	8.3	66	600	1500	20D	10D	3000
8	8.3	66	600	1500	20D	10D	3000
10	9.0	82	600	1500	20D	10D	3000
12	9.0	82	600	1500	20D	10D	3000



Loose tube aluminum with Steel tape Armour GYTA53

Features

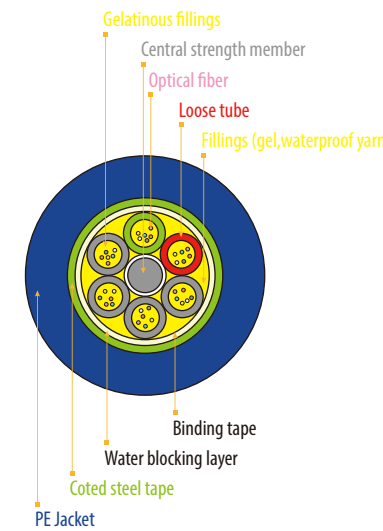
- High tensile strength, good performance on mechanical stress, crush resistance, temperature and transmission.
- High Young's modulus phosphatized steel wire as central strength member, PE buffer extruded to outs of steel wire when necessary.
- The loose tubes, cable core and all interstices filled with moisture-proof gel and compound, prevent water ingress longitudinally.
- The aluminium tape laminated on both sides with polyethylene and closely bonded to PE inner sheat possesses the function of radial moisture-proof for the cable.
- Armoured with longitudinal corrugated steel tape laminated with polyethylene.

- Longitudinal water blocking tape at the inner side of the steel tape tightly bonded to the MDPE sheath ensures radial moisture-proof and reinforces mechanical crush resistance as well as prevents water ingress longitudinally.

Cable Construction

Loose tubes(or some with fillers)stranded around the central strength member to form the cable core, the cable core longitudinally bound by aluminum ployethylene laminate, further bonded to the PE inner jacked moisture barrier and then corrugated steel tape laminated with polyethylene on both sides, the pe outer jacket consisted of medium density polyethylene extruded under vacuum condition.

Fiber Count	Min. bend Radius(mm)		Temperature Range	Nominal Weight (kg/km)	Laying method
	Dynamic	Static			
Loose tube aluminum with Steel tape Armour GYTA53					
2-144	25 x diameter of cable	12.5 x diameter of cable	-20°C ~ +60°C	Depends on Different Specifications	Direct Buried



Loose Tube Stranded Cable With Steel Tape(GYTS)

Features

- Accurate fiber excess length ensures good performance under mechanical stress and good temperature performance.
- Material of loose tube with good temperature property and high Young's modulus, the tubes filled with moisture resistant gel for fibers to ensure the long term stability in transmission for two long wavelength windows.
- The central strength member makes use of high Young's modulus phosphatized steel wire.
- The loose tubes and all interstices of cable core filled with moisture-proof and water blocking compound ensure no longitudinal water ingress.
- Longitudinal corrugated steel tape laminated at both sides bonding to PE sheath ensures not only radial moisture-proof but also reinforces the crush resistance of cable.
- High density polyethylene PE jacket possesses good ultra violet radiation resistant property.

Description

- Loose tubes(or some fillers)stranded around the metal central strength member
- Bound by corrugated longitudinal steel tape with outer PE jacket
- The tube is made of good temperature property material. A number of single or multi-mode fibers doub-ated are contained in the loose tube

Applications Long distance and Local Area Network(LAN) communication

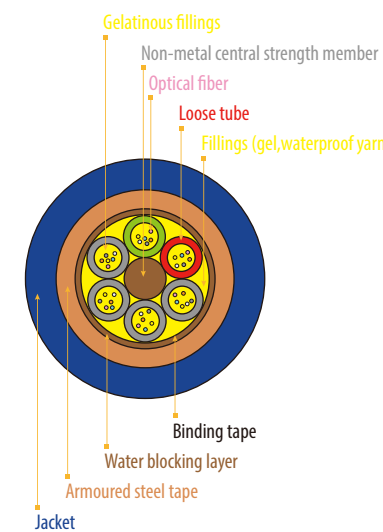
Laying method Conduit, Aerial

Temperature range -40°C - +70°C

Fiber count 2-288

Outer Diameter 10.5 - 18.8(±0.5)mm

Weight 112kg - 343kg



Loose Tube Stranded Cable With Non-metal Central Strength Member And Steel Tape(GYTS)

Features

- Accurate fiber excess length ensures good performance under mechanical stress and good temperature performance.
- The central strength member is made of high Young's modulus glass fiber reinforced plastic rod(FRP).
- The non-metal central strength member avoids breakdown between central strength member and steel tape caused by lightning induction.
- The loose tubes are filled with special filling compound for crucial protection of the optical fibers.
- Complete water blocking construction ensures good water blocking and moisture-proof performance.
- Strictly control of production process and raw materials.
- The longitudinal binding steel tape functions as protection as well as reinforcing the crush resistance and mechanical performance.
- The jacket possesses good ultra violet radiation resistant property.

Description

- Loose tube cable with non-metal central strength member, and polyethylene coated steel armour.
- Loose tubes (or some fillers) stranded around the non-metal central strength member.
- All the interstices of cable core are filled with water blocking compound.

Description Outdoor communication, long distance and local area network communication

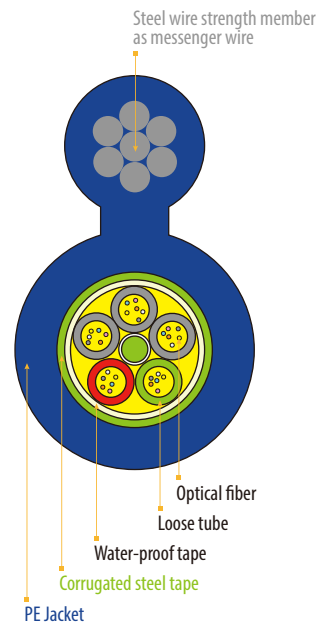
Laying method Aerial

Temperature range -40°C - +70°C

Fiber count 2-144

Outer Diameter 12.6 - 18.0mm

Weight 130kg - 300kg



GYTC8S Optical Fiber Cable

Features

- Central loose tubes with jelly compound inside to protect the cladding fiber.
- Corrugated steel tape laminated with plastic at both sides bonding to PE sheath.
- The cross-section in fig8 shape.
- Incorporates stranded steel messenger wire.

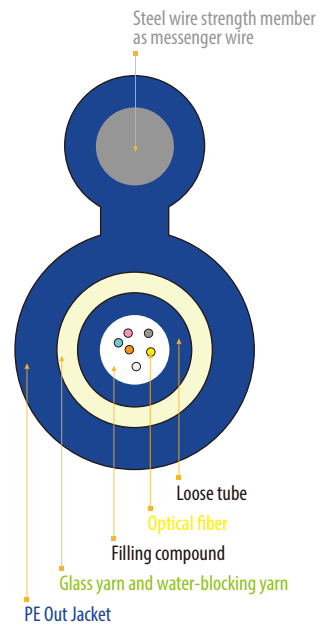
Applications Outdoor communication, Long distance and local area network(LAN) communication.

Laying method Self-support aerial installation.

Properties Messenger wire as self-supporting part, high tensile.

Temperature range -20°C - +70°C

Outer Diameter (mm)	Nominal Weight (kg/km)	Max. Tensile(N)		Min.bend Radius(mm)		Max. Crush Resistance (N/100mm ²)
		Long Term	Short Term	Dynamic	Static	
GYTC8S Optical Fiber Cable						
10.5±0.3mm x 17.8±0.3mm	195	2500	4800	20H	10H	1000



GYXTC8Y Optical Fiber Cable

Features

- Central loose tube with jelly compound inside to protect the cladding fiber.
- Corrugated steel tape laminated with plastic at both sides bonding to PE sheath.
- The cross-section in fig8 shape.
- Incorporates stranded steel messenger wire.

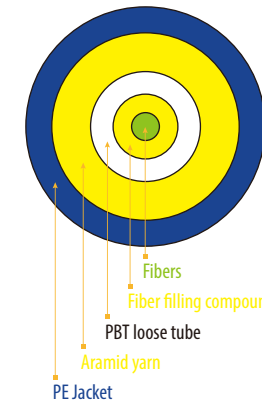
Applications Outdoor communication, Long distance and local area network(LAN) communication.

Laying method Self-support aerial installation.

Properties Messenger wire as self-supporting part, high tensile.

Temperature range -20°C - +70°C

Outer Diameter (mm)	Nominal Weight (kg/km)	Max. Tensile(N)		Min.bend Radius(mm)		Max. Crush Resistance (N/100mm ²)
		Long Term	Short Term	Dynamic	Static	
GYXTC8Y Optical Fiber Cable						
7.2±0.3mm x 12.8±0.3mm	195	400	1200	20H	10H	1000



Multi-core Optical Cable For Outdoor/Indoor use

Features

- Small cable diameter, light weight.
- Fibers protected by filling compound.
- Options available for flame-retardant or Low Smoke Zero Halogen(LSZH) jacket.

Description

- Fibers centrally bundled in the PBT loose tube.
- The loose tube evenly bound by high strength.

Applications Optical transmission cables for transmission equipment, data processing equipment also suitable for general cabling.

Laying method Conduit, aerial direct buried, shelf.

Fiber Count	Outer Diameter (mm)	Max. Tensile Strength(N)		Max. Crush Resistance(N/100mm ²)		Min.bend Radius(mm)	
		Long Term	Short Term	Long Term	Short Term	Dynamic	Static
Multi-core Optical Cable For Outdoor/Indoor use							
2-12	6.5-9.5	800	1500	1000	2000	15D	10D

Waterproof Cable

Features

- Accurate fiber excess length ensures good performance.
- Good performance in crush resistance and causticity resistance.
- Strong steel wire as strength member with good performance of tensile strength.
- Suitable for execrable environment, good grounding performance.
- Easy to operate, simple and reliable.

Applications

- Industrial, military, waterproof cables, redeployable systems.
- Connected to connectors of various models.
- Interconnect main cable to optic receivers.

Description

- One or more single-core cables SZ stranded around the metallic central strength member.
- Longitudinal aluminum polyethylene laminate(APL) is applied around the core as additional water barrier.
- Polyethylene(PE) jacket.

Temperature range -20°C - +70°C

Fiber Count	Outer Diameter (mm)	Nominal Weight (kg/km)	Max. Tensile(N)		Min.bend Radius(mm)	
			Long Term	Short Term	Dynamic	Static
Waterproof Cable						
Below 4 Fibers	9.8	83	200	600	20D	10D
	11.8	110	300	1000	20D	10D

1-12 Cores FTTH Optical Fiber Cable

Products Description

The structure is 1-12 colored fibers combined with two FRP(or steel wires), which can protect the fiber inside by providing sufficient tensile strength and good resistance to lateral crushing.

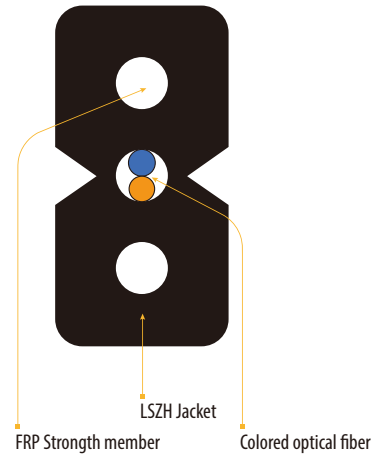
Application

- As FTTH Cable, for indoor horizontal and vertical cabling.
- Indoor cabling under carpet and along corner.

Temperature range -20°C - +70°C

Properties

- Simple and convenient structure, convenient for indoor cabling.
- Good design for lateral crushing resistance.
- Fiber count is 1-12 cores, can be other fiber count upon request.
- White color for indoor use, can also be other color upon request.
- LSZH material for out jacket, can also be other material upon request.



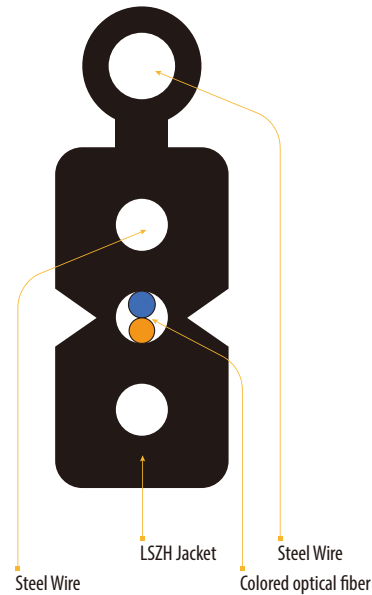
(Data in Table 1)

Table 1

Fiber Count	Outer Diameter (mm) ±0.2mm	Nominal Weight (kg/km)	Min.bend Radius(mm)	
			Dynamic	Static
1-12 Cores FTTH Optical Fiber Cable Table 1				
1	3.1*1.9	9	20H	10H
2	3.1*1.9	9	20H	10H

Table 2

Fiber Count	Outer Diameter (mm) ±0.2mm	Nominal Weight (kg/km)	Min.bend Radius(mm)	
			Dynamic	Static
1-12 Cores FTTH Optical Fiber Cable Table 2				
2	5.0*2.0	20	20H	10H



(Data in Table 2)

Multi-core Optical Cable For Outdoor/Indoor use

Features

- Small cable diameter, light weight.
- Fibers protected by filling compound.
- Options available for flame-retardant or Low Smoke Zero Halogen(LSZH) jacket.

Description

- Fibers centrally bundled in the PBT loose tube.
- The loose tube evenly bound by high strength.

Applications Optical transmission cables for transmission equipment, data processing equipment also suitable for general cabling.

Laying method Conduit, aerial direct buried, shelf.

Fiber Count	Outer Diameter (mm)	Max. Tensile Strength(N)		Max. Crush Resistance(N/100mm ²)		Min.bend Radius(mm)	
		Long Term	Short Term	Long Term	Short Term	Dynamic	Static
Multi-core Optical Cable For Outdoor/Indoor use							
2-12	6.5-9.5	800	1500	1000	2000	15D	10D

Waterproof Cable

Features

- Accurate fiber excess length ensures good performance.
- Good performance in crush resistance and causticity resistance.
- Strong steel wire as strength member with good performance of tensile strength.
- Suitable for execrable environment, good grounding performance.
- Easy to operate, simple and reliable.

Applications

- Industrial, military, waterproof cables, redeployable systems.
- Connected to connectors of various models.
- Interconnect main cable to optic receivers.

Description

- One or more single-core cables SZ stranded around the metallic central strength member.
- Longitudinal aluminum polyethylene laminate(APL) is applied around the core as additional water barrier.
- Polyethylene(PE) jacket.

Temperature range -20°C -+70°C

Fiber Count	Outer Diameter (mm)	Nominal Weight (kg/km)	Max. Tensile(N)		Min.bend Radius(mm)	
			Long Term	Short Term	Dynamic	Static
Waterproof Cable						
Below 4 Fibers	9.8	83	200	600	20D	10D
	11.8	110	300	1000	20D	10D