

# OPTICAL COMMUNICATION PRODUCTS

(Outdoor Cable, Indoor Cable, FTTH, Micro Cable & Accessories)



# Catalogue

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## Company Profile of ZTT

Zhongtian Technology Co., Ltd. (abbr. ZTT hereafter) is one of the key high-tech enterprise in China, which headquarter located in Shanghai, ZTT became public company in 2002 (Stock code: 600522) and ZTT was honored "The first stock of special fiber optic cable in China".

ZTT is specializing in telecommunication optical cable, power cable, submarine cable and optical cable equipment and manufacture.

The cables for telecommunication system cover common optical fiber, optical fiber cable, FTTH solution, RF power cable, leaky power cable and their accessories.

The cables for power system include ADSS, OPGW, OPPC, ultra-high voltage conductor, lightning resistance cable, XLPE and relevant fittings and etc.

As the unique manufacturer of deep sea optical cable in China, ZTT supports SOFC, submarine power cable, submarine optical-fiber composite power cable for petroleum, wind power and the relevant operators. With the own dock, ZTT has the ability to participate in international submarine cable construction.

At the same time, ZTT possesses optical fiber coloring machine, jacketing line, stranding equipment and DT S (Distribution Temperature Sensing).

Meanwhile, ZTT provides the raw materials of high quality AA conductors, AS conductors and optical fiber for manufacturers.

ZTT has passed the certification of KEMA, Poland power grid, PLP, KENECTRICLAB, SGS, which are all the famous laboratory certification in the world. In 2007, the OPGW, conductor products and fittings of ZTT are successfully used in 1000KV operation line of national power grid.

Further more, ZTT optical fiber and RF power cable ranks the No.1 China mobile purchase and serve for the international key project such as three gorges project, Olympic Games and etc. The products of ZTT are exported to 5 continents which are over 60 countries. ZTT Optical Fiber Cable has supplied over 590,000 km cable length and about 2,000,000 km fiber length all over the world.

ZTT established cooperation relationship with the international famous companies and universities, and has two joint venture companies – Zhongtian Hitachi Fiber Optic Cable Co., Ltd and Zhongtian Hitachi Radio Frequency Cable Co., Ltd. ZTT found technical innovate center and unite laboratory, ZTT also formed strategic partnership in personnel training and technology innovation, which all laid a international foundation for long-term development of the company.

At present, ZTT forms a development structure with Shanghai Headquarter, Nantong Research Center, Rudong Garden Factory Site, and also sets up a sales net by Common Optical Cable, Special Optical Cable, Power Cable, broadband networks and Oversea departments.

In new century, ZTT people will emphasize in developing its core competitive power in Optical Fiber Communication, Power Conductor industries and providing high-quality service for customers.



Rudong Garden Factory



Shanghai Factory



Nantong R&D Center



Guangdong Factory



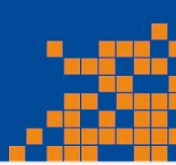
## ZTT Group Distribution



## Certificates and Facilities







## Zhongtian Optical Fiber Product Information

### GENERAL

This single mode optical fiber with very low attenuation values, is a matched cladding fiber, optimized for transmission in the 1310nm windows, with good transmission properties at 1550nm as well.

### STANDARDS AND NORMS

This fiber fulfils the requirements of:  
 ● IEC 60793  
 ● ITU-T Recommendation G.652,G.657

### CORE

The core is germanium doped

### COATING

The fiber coating is dual layer UV curable acrylate. The coating offers excellent stable stripping performance, and a unique high and stable value for the dynamic stress corrosion.

Category	Description		Specifications		
			G.652B	G.652C/D	G.657
Optical Specifications	Attenuation Coefficient	1310nm	≤0.34dB/km	≤0.34dB/km	≤0.35dB/km
		1383nm	≤1.5dB/km	≤0.32dB/km	≤0.35dB/km
		1550nm	≤0.20dB/km	≤0.20dB/km	≤0.21dB/km
		1625nm	≤0.23dB/km	≤0.23dB/km	≤0.23dB/km
	Attenuation Nonuniformity	@1310&1550nm	≤0.03dB	≤0.03dB	≤0.03dB
	Point Discontinuity	@1310&1550nm	≤0.03dB	≤0.03dB	≤0.03dB
	Attenuation vs Wavelength	@1285-1330nm	≤0.05dB/km	≤0.05dB/km	≤0.03dB/km
		@1525-1575nm	≤0.05dB/km	≤0.05dB/km	≤0.03dB/km
	Zero Dispersion Wavelength		1300~1324nm	1300~1324nm	1302~1324nm
	Zero Dispersion Slope		≤0.093ps/nm <sup>2</sup> .km	≤0.093ps/nm <sup>2</sup> .km	≤0.090ps/nm <sup>2</sup> .km
	Dispersion	@1288-1339nm	≤3.5ps/nm.km	≤3.5ps/nm.km	≥-3.0, ≤3.0 ps/nm.km
		@1271-1360nm	≤5.3ps/nm.km	≤5.3ps/nm.km	—
		@1550nm	≤18ps/nm.km	≤18ps/nm.km	≤18ps/nm.km
	Polarization Mode Dispersion(Pmd)		≤0.2ps/√km	≤0.3/0.2ps/√km	≤0.2ps/√km
	Cut-off Wavelength $\lambda_{cc}$		≤1260nm	≤1260nm	≤1260nm
Macrobend Loss(100 Turns, $\phi$ 50mm)	@1310nm	≤0.05dB/km	≤0.05dB/km	≤0.05dB/km at 1625nm (1 turn; $\phi$ 30 mm)	
	@1550nm	≤0.10dB/km	≤0.10dB/km		
Mode Field Diameter	@1310nm	9.2±0.4 $\mu$ m	9.2±0.4 $\mu$ m	9.0±0.4 $\mu$ m	
Effective Group Index Of Refraction	@1310nm	1.466	1.466	1.466	
	@1550nm	1.467	1.467	1.467	
Dimensional Specifications	Cladding Diameter		125±0.7 $\mu$ m	125±0.7 $\mu$ m	124.8±0.7 $\mu$ m
	Core/cladding Concentricity		≤0.5 $\mu$ m	≤0.5 $\mu$ m	≤0.5 $\mu$ m
	Clad Non-circularity		≤1%	≤1%	≤1%
	Coating Diameter		243±5 $\mu$ m	243±5 $\mu$ m	245±5 $\mu$ m
	Coating/cladding Concentricity		≤6 $\mu$ m	≤6 $\mu$ m	≤12 $\mu$ m
	Coating Non-circularity		≤6%	≤6%	≤6%
Mechanical Specifications	Proof Test		≥1%	≥1%	≥1%
	Tensile Strength(10m Gauge Length)	15%Weibull probability	2.76Gpa	2.76Gpa	2.76Gpa
		50%Weibull probability	3.45Gpa	3.45Gpa	3.45Gpa
	Fatigue Resistant Parameter( $N_b$ )		≥20	≥20	≥20
	Fibre Curl Radius		≥4m	≥4m	≥4m
Peak Coating Strip Force		1.3~8.9N	1.3~8.9N	1.3~8.9N	
Environmental Specifications	Temperature Cycling Induced Attenuation (-60℃~+85℃)	@1310&1550nm	≤0.05dB/km	≤0.05dB/km	≤0.05dB/km
	Damp Heat Aging Induced Attenuation (-85±2℃, 85%rh, For 30 Days)	@1310&1550nm	≤0.05dB/km	≤0.05dB/km	≤0.05dB/km
	Heat Aging Induced Attenuation (-85±2℃, For 30 Days)	@1310&1550nm	≤0.05dB/km	≤0.05dB/km	≤0.05dB/km
	Water Immersion Induced Attenuation (23±2℃, For 30 Days)	@1310&1550nm	≤0.05dB/km	≤0.05dB/km	≤0.05dB/km



## Technical Specification

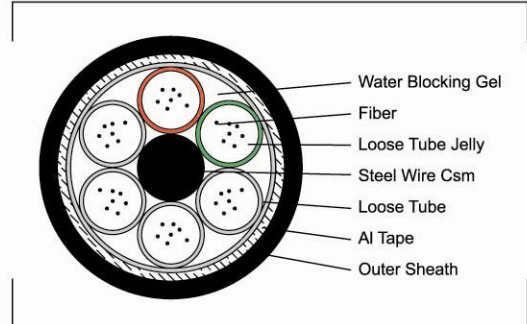
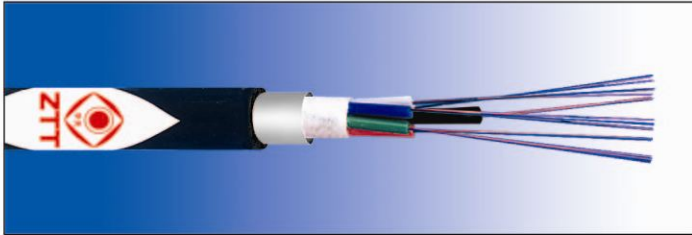
### Basic Parameters of Optical Fiber in Cable

Transmission Parameters Of Fibres							
Parameter	unit	Singlemode Fibre				Multimode Fibre	
		G.652	G.652-C	G.652-D	G.655	G.651	G.651
						50/125	62.5/125
<b>Attenuation</b>							
850nm	dB/km					3.0	3.5
1310nm		≤0.36	≤0.36	≤0.36		1.0	1.5
1383nm		≤2.1	≤0.35	≤0.35	≤2.1		
1550nm		≤0.22	≤0.22	≤0.22	≤0.25		
1625nm			≤0.25	≤0.25	≤0.25		
<b>Chromatic Dispersion</b>							
1288-1339nm	ps/nm·km	≤3.5	≤3.5	≤3.5			
1550nm		≤18	≤18	≤18			
1530-1565nm					1.0 to 10		
1565-1625nm					4.5 to 11.2		
<b>Bandwidth</b>							
850nm	MHz·km					≥200	≥160
1300nm						≥400	≥500
<b>PMD</b>							
Individual Fibre	ps/km <sup>1/2</sup>	≤0.2	≤0.2	≤0.1	≤0.1		
Link Design Value		≤0.1	≤0.1	≤0.06	≤0.04		
Cut-off Wavelength(In Cable)	nm	≤1260	≤1260	≤1260	≤1480		

Geometrical Parameters Of Fibres							
Parameter	unit	Singlemode Fibre			Multimode Fibre		
		G.652	G.652-C/D	G.655	G.651	G.651	
					50/125	62.5/125	
<b>Mode Field Diameter At Wavelength</b>							
1310nm	μm	9.2±0.4	9.2±0.4				
1550nm	μm	10.4±0.8	10.4±0.8	9.2-10.0			
Mode Field Noncircularity	μm	≤0.5	≤0.5	≤0.5			
Core Diameter	μm				50±2	62.5±2	
Cladding Diameter	μm	125±1.0			125±2.0		
Cladding Ellipticity	%	≤1			≤1		
Coating/cladding Concentricity	μm	≤12					
Core/cladding Concentricity	μm	≤0.6			≤1.5		
Primary Coating Diameter	μm	245±5					
Numerical Aperture	μm	0.14					
Curl	m				≥4		



## Fiber Optic Cable Technical Specification AL/PE Laminated Tape Armored, Steel CSM, Single Jacket FOC (GYSTA)



### Technical Characteristics

- The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance
- The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties
- Multiple waterblocking material filling provides dual waterblocking function
- AL/PE laminated tape adhesion sheath provides good moisture resistance

### Cable Performance

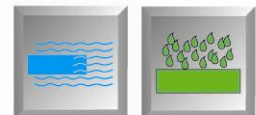
Crush Resistance	2000N/10cm
Bending Radius:	Short term 20D
	Long term 10D
Temperature Range	
Transport/storage	-40℃~+70℃
Installation	-10℃~+60℃
Operation	-40℃~+70℃

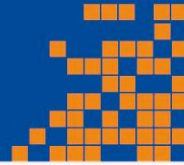
Ref. Standard: IEC 60794-3-10  
IEC 60304

Type	Fiber Count	Loose Tube No.	Fillers No.	Sheath Thickness (Mm)	Cable		Max Tensile Load(N)
					Outer Dia. (Mm)	Weight (Kg/km) Pe/lshz	
GYSTA-4xxx	4	1	5	2.0	11.6	112/125	2000
GYSTA-6xxx	6	1	5	2.0	11.6	112/125	2000
GYSTA-8xxx	8	2	4	2.0	11.6	114/127	2000
GYSTA-12xxx	12	2	4	2.0	11.6	115/127	2000
GYSTA-16xxx	16	3	3	2.0	11.6	115/128	2000
GYSTA-18xxx	18	3	3	2.0	11.6	116/128	2000
GYSTA-24xxx	24	4	2	2.0	11.6	117/130	2000
GYSTA-36xxx	36	6	\	2.0	11.6	119/132	2000
GYSTA-48xxx	48	6	\	2.0	12.5	144/158	3000
GYSTA-60xxx	60	5	1	2.0	13.1	157/171	4000
GYSTA-72xxx	72	6	\	2.0	13.1	159/173	4000
GYSTA-84xxx	84	7	\	2.0	13.9	173/190	4000
GYSTA-96xxx	96	8	\	2.0	14.7	190/208	4000
GYSTA-108xxx	108	9	\	2.0	15.5	209/226	4000
GYSTA-120xxx	120	10	\	2.0	16.3	228/246	4000
GYSTA-132xxx	132	11	\	2.0	17.1	246/267	4000
GYSTA-144xxx	144	12	\	2.0	17.9	268/288	4000

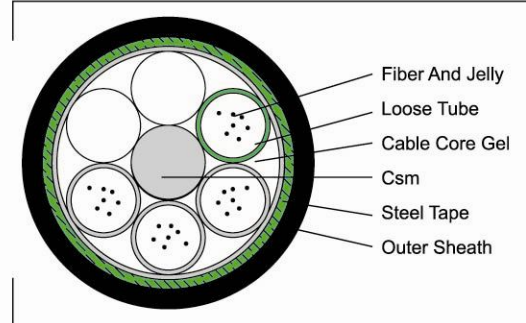
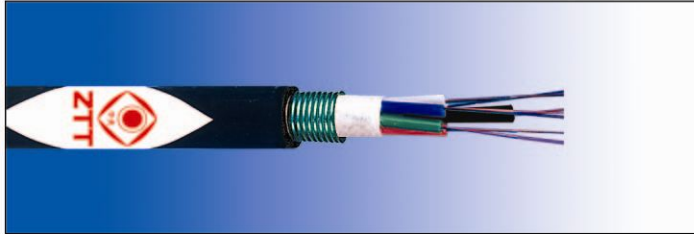
Remark: xxx means type of optic fiber

All sizes and values are nominal values





## Fiber Optic Cable Technical Specification Corrugated Steel Tape Armored, Single Jacket FOC (GYSTS)



### Technical Characteristics

- The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance
- The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties
- Multiple waterblocking material filling provides dual waterblocking function
- Steel/PE corrugated tape adhesion sheath provides good crush resistance

### Cable Performance

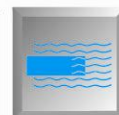
Crush Resistance	3000N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/storage	-40°C~+70°C
Installation	-10°C~+60°C
Operation	-40°C~+70°C

Ref. Standard: IEC 60794-3-10  
IEC 60304

Type	Fiber Count	Loose Tube No.	Fillers No.	Sheath Thickness (Mm)	Cable		Max Tensile Load(N)
					Outer Dia. (mm)	Weight (kg/km) PE/LSZH	
GYSTS-4xxx	4	1	5	2.0	11.6	140/152	2000
GYSTS-6xxx	6	1	5	2.0	11.6	140/152	2000
GYSTS-8xxx	8	2	4	2.0	11.6	142/154	2000
GYSTS-12xxx	12	2	4	2.0	11.6	142/154	2000
GYSTS-16xxx	16	3	3	2.0	11.6	143/155	2000
GYSTS-18xxx	18	3	3	2.0	11.6	143/155	2000
GYSTS-24xxx	24	4	2	2.0	11.6	144/156	2000
GYSTS-36xxx	36	6	\	2.0	11.6	146/159	2000
GYSTS-48xxx	48	6	\	2.0	12.5	174/188	3000
GYSTS-60xxx	60	5	1	2.0	13.1	189/204	4000
GYSTS-72xxx	72	6	\	2.0	13.1	190/205	4000
GYSTS-84xxx	84	7	\	2.0	13.9	208/224	4000
GYSTS-96xxx	96	8	\	2.0	14.7	227/243	4000
GYSTS-108xxx	108	9	\	2.0	15.5	247/265	4000
GYSTS-120xxx	120	10	\	2.0	16.3	268/286	4000
GYSTS-132xxx	132	11	\	2.0	17.1	290/309	4000
GYSTS-144xxx	144	12	\	2.0	17.9	313/333	4000

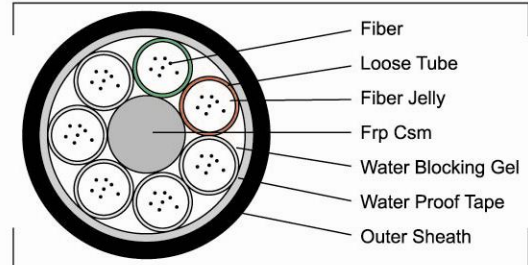
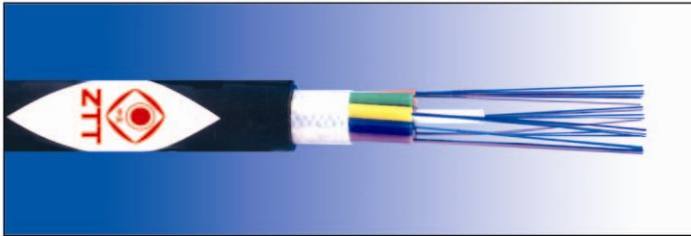
Remark: xxx means type of optic fiber

All sizes and values are nominal values





## Fiber Optic Cable Technical Specification All Dielectric, Single Jacket FOC (GYFSTY)



### Technical Characteristics

- The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance
- The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties
- Non-metallic structure, no electric disturb, suitable to connect with OPGW
- Tubes and core protected from moisture and longitudinal water penetration
- Can be installed close to the power lines

### Cable Performance

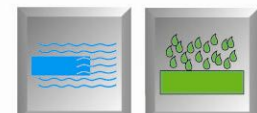
Crush Resistance	2000N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/storage	-40℃~+70℃
Installation	-10℃~+60℃
Operation	-40℃~+70℃

Ref. Standard: IEC 60794-3-10  
IEC 60304

Type	Fiber Count	Loose Tube No.	Fillers No.	Sheath Thickness (Mm)	Cable		Max Tensile Load(N)
					Outer Dia. (mm)	Weight (kg/km) PE/LSZH	
GYFSTY-4xxx	4	1	6	2.0	11.8	88/101	2500
GYFSTY-6xxx	6	1	6	2.0	11.8	88/101	2500
GYFSTY-8xxx	8	2	5	2.0	11.8	90/103	2500
GYFSTY-12xxx	12	2	5	2.0	11.8	90/103	2500
GYFSTY-16xxx	16	3	4	2.0	11.8	92/105	2500
GYFSTY-18xxx	18	3	4	2.0	11.8	92/105	2500
GYFSTY-24xxx	24	4	3	2.0	11.8	94/107	2500
GYFSTY-36xxx	36	6	1	2.0	11.8	98/110	2500
GYFSTY-42xxx	42	7	\	2.0	11.8	100/112	2500
GYFSTY-48xxx	48	6	1	2.0	11.8	100/112	2500
GYFSTY-56xxx	56	7	\	2.0	11.8	101/113	2500
GYFSTY-60xxx	60	5	2	2.0	12.7	107/121	3000
GYFSTY-72xxx	72	6	1	2.0	12.7	109/123	3000
GYFSTY-84xxx	84	7	\	2.0	12.7	111/125	3000
GYFSTY-96xxx	96	8	\	2.0	13.3	125/140	3000
GYFSTY-108xxx	108	9	\	2.0	14.1	142/157	3000
GYFSTY-120xxx	120	10	\	2.0	14.9	160/176	3000
GYFSTY-132xxx	132	11	\	2.0	15.7	178/195	3000
GYFSTY-144xxx	144	12	\	2.0	16.5	198/216	3000

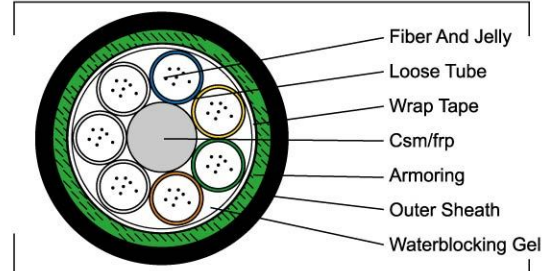
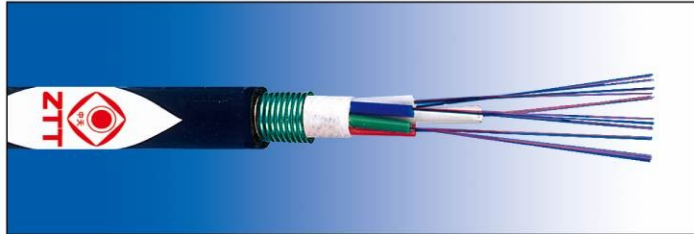
Remark: xxx means type of optic fiber

All sizes and values are nominal values





## Fiber Optic Cable Technical Specification Corrugated Steel Tape Armored, Single Jacket, FRP CSM FOC (GYFSTS)



### Technical Characteristics

- The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance
- The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties
- Steel/PE corrugated tape adhesion sheath provides good crush resistance

### Cable Performance

Crush Resistance	3000N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/Storage	-40°C~+70°C
Installation	-10°C~+60°C
Operation	-40°C~+70°C

Ref. Standard: IEC 60794-3-10  
IEC 60304

Type	Fiber Count	Loose Tube No.	Fillers No.	Sheath Thickness (Mm)	Cable		Max Tensile Load(N)
					Outer Dia. (mm)	Weight (kg/km) PE/LSZH	
GYFSTS-4xxx	4	1	6	2.0	13.2	142/156	2500
GYFSTS-6xxx	6	1	6	2.0	13.2	142/156	2500
GYFSTS-8xxx	8	2	5	2.0	13.2	144/158	2500
GYFSTS-12xxx	12	2	5	2.0	13.2	144/158	2500
GYFSTS-16xxx	16	3	4	2.0	13.2	145/160	2500
GYFSTS-18xxx	18	3	4	2.0	13.2	145/160	2500
GYFSTS-24xxx	24	4	3	2.0	13.2	147/162	2500
GYFSTS-36xxx	36	6	1	2.0	13.2	151/165	2500
GYFSTS-42xxx	42	7	\	2.0	13.2	152/166	2500
GYFSTS-48xxx	48	6	1	2.0	13.2	152/166	2500
GYFSTS-56xxx	56	7	\	2.0	13.2	154/168	2500
GYFSTS-60xxx	60	5	2	2.0	14.1	164/180	3000
GYFSTS-72xxx	72	6	1	2.0	14.1	166/182	3000
GYFSTS-84xxx	84	7	\	2.0	14.1	168/183	3000
GYFSTS-96xxx	96	8	\	2.0	14.7	184/200	3000
GYFSTS-108xxx	108	9	\	2.0	15.5	204/221	3000
GYFSTS-120xxx	120	10	\	2.0	16.3	225/243	3000
GYFSTS-132xxx	132	11	\	2.0	17.1	246/266	3000
GYFSTS-144xxx	144	12	\	2.0	17.9	270/290	3000

Remark: xxx means type of optic fiber

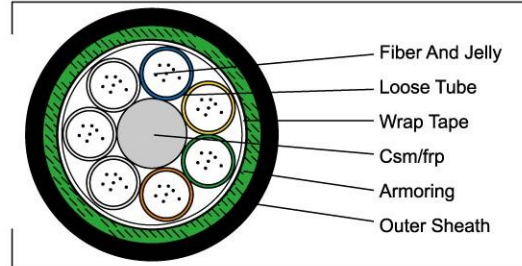
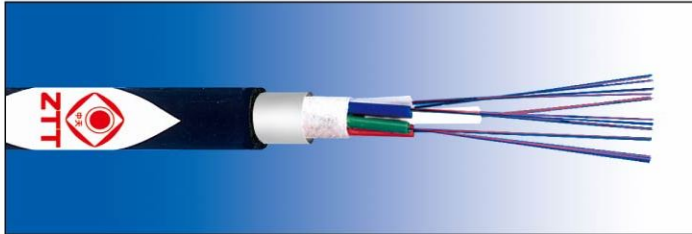
All sizes and values are nominal values





## Fiber Optic Cable Technical Specification

### AL/PE Laminated Tape Armored, Single Jacket FOC, FRP CSM (GYFSTA)



#### Technical Characteristics

- The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance
- The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties
- AL/PE laminated tape adhesion sheath provides good moisture resistance

#### Cable Performance

Crush Resistance	2000N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/Storage	-40℃~+70℃
Installation	-10℃~+60℃
Operation	-40℃~+70℃

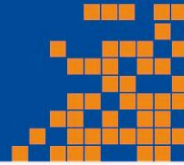
Ref. Standard: IEC 60794-3-10  
IEC 60304

Type	Fiber Count	Loose Tube No.	Fillers No.	Sheath Thickness (Mm)	Cable		Max Tensile Load(N)
					Outer Dia. (mm)	Weight (kg/km) PE/LSZH	
GYFSTA-4xxx	4	1	6	2.0	13.2	110/125	2500
GYFSTA-6xxx	6	1	6	2.0	13.2	110/125	2500
GYFSTA-8xxx	8	2	5	2.0	13.2	112/126	2500
GYFSTA-12xxx	12	2	5	2.0	13.2	112/126	2500
GYFSTA-16xxx	16	3	4	2.0	13.2	114/128	2500
GYFSTA-18xxx	18	3	4	2.0	13.2	114/128	2500
GYFSTA-24xxx	24	4	3	2.0	13.2	116/130	2500
GYFSTA-36xxx	36	6	1	2.0	13.2	120/134	2500
GYFSTA-42xxx	42	7	\	2.0	13.2	121/135	2500
GYFSTA-48xxx	48	6	1	2.0	13.2	121/135	2500
GYFSTA-56xxx	56	7	\	2.0	13.2	123/137	2500
GYFSTA-60xxx	60	5	2	2.0	14.1	130/146	3000
GYFSTA-72xxx	72	6	1	2.0	14.1	132/148	3000
GYFSTA-84xxx	84	7	\	2.0	14.1	134/150	3000
GYFSTA-96xxx	96	8	\	2.0	14.7	148/165	3000
GYFSTA-108xxx	108	9	\	2.0	15.5	166/184	3000
GYFSTA-120xxx	120	10	\	2.0	16.3	185/203	3000
GYFSTA-132xxx	132	11	\	2.0	17.1	204/223	3000
GYFSTA-144xxx	144	12	\	2.0	17.9	225/245	3000

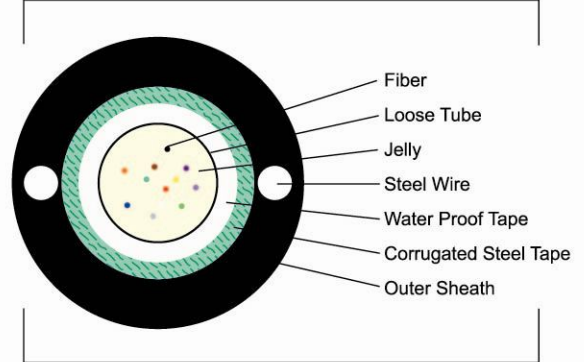
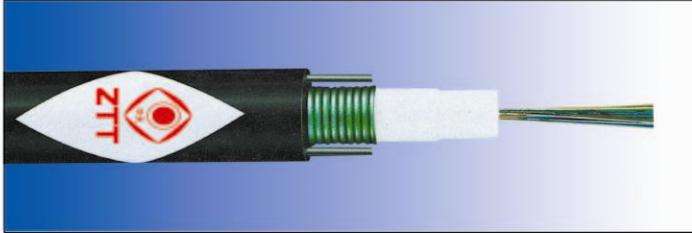
Remark: xxx means type of optic fiber

All sizes and values are nominal values





## Fiber Optic Cable Technical Specification Corrugated Steel Tape Armored, Central Loose Tube FOC (GYXTW)



### Technical Characteristics

- The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance
- The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties
- Multiple water-blocking material filling provides dual waterblocking function
- Compact structure, lightweight and good crush resistance

### Cable Performance

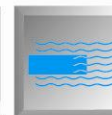
Crush Resistance	3000N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/Storage	-40℃~+70℃
Installation	-10℃~+60℃
Operation	-40℃~+70℃

Ref. Standard: IEC 60794-3-10  
IEC 60304

Type	Fiber Count	Steel Wire Dia./mm	Sheath Thickness (Mm)	Cable		Max Tensile Load(N)
				Outer Dia. (mm)	Weight (kg/km) PE/LSZH	
GYXTW-4xxx	4	1.4	3.0	10.8	106/121	2500
GYXTW-6xxx	6	1.4	3.0	10.8	106/121	2500
GYXTW-8xxx	8	1.4	3.0	10.8	106/121	2500
GYXTW-12xxx	12	1.4	3.0	10.8	106/121	2500
GYXTW-16xxx	16	1.4	3.0	12.0	126/143	2500
GYXTW-18xxx	18	1.4	3.0	12.0	126/143	2500
GYXTW-24xxx	24	1.4	3.0	12.0	126/143	2500

Remark: xxx means type of optic fiber

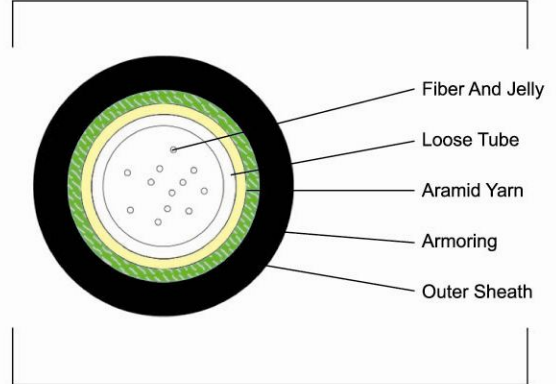
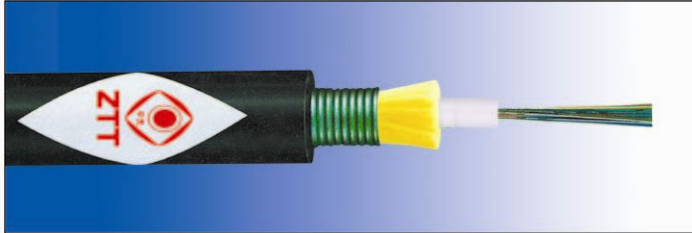
All sizes and values are nominal values





## Fiber Optic Cable Technical Specification

### Central Tube, Steel Tape Armoured, Aramid Yarn Reinforced FOC (Type: GYXTKS)



#### Technical Characteristics

- The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance
- The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties
- Aramid yarn provides good tension performance

#### Structure Features

- Central loose tube
- Jelly filling in the tube
- Aramid yarn strengthen
- Steel/PE corrugated tape armoured
- PE outer sheath

#### Cable Performance

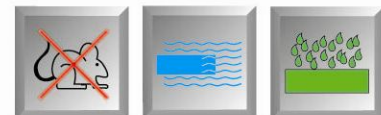
Crush Resistance	2000N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/Storage	-40℃ ~ +70℃
Installation	-10℃ ~ +60℃
Operation	-40℃ ~ +70℃

Ref. Standard: IEC 60794-3-10  
IEC 60304

Type	Fiber Count	Outer Dia. (mm)	Weight (kg/km)	Sheath Thickness (Mm)	Tension Force(N)	
					Short Term	Long Term
GYXTKS-2xxx	2	8.6	80	1.5	1500	600
GYXTKS-4xxx	4	8.6	80	1.5	1500	600
GYXTKS-6xxx	6	8.6	80	1.5	1500	600
GYXTKS-8xxx	8	8.6	82	1.5	1500	600
GYXTKS-10xxx	10	8.6	82	1.5	1500	600
GYXTKS-12xxx	12	8.6	82	1.5	1500	600
GYXTKS-16xxx	16	9.2	88	1.5	1500	600
GYXTKS-24xxx	24	9.2	88	1.5	1500	600

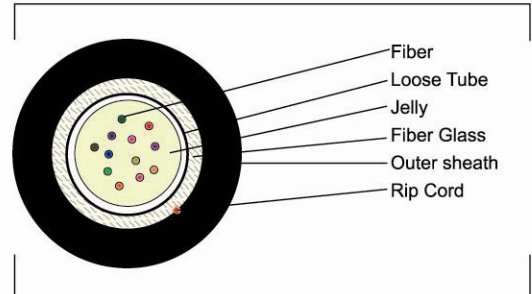
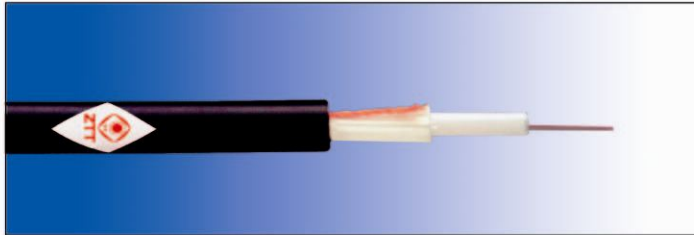
Remark: xxx means type of optic fiber

All sizes and values are nominal values





## Fiber Optic Cable Technical Specification Central Loose Tube, Fiber Glass Armored FOC (GYXTGY)



### Technical Characteristics

- The unique extruding technology provides the fibers in the tube with good flexible and bending endurance
- The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties
- Multiple water-blocking material filling provides dual water-blocking function
- Compact structure, lightweight and good crush resistance
- Dielectric armored distribution cable can be applicable for indoor and outdoor use.

### Cable Performance

Crush Resistance	1000N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/Storage	-40℃~+70℃
Installation	-10℃~+60℃
Operation	-40℃~+70℃

Ref. Standard: IEC60794-3-10;  
IEC 60304

Type	Fiber Count	Loose Tube No.	Sheath thickness (mm)	Cable		Max Tensile Load(N)
				Outer Dia. (mm)	Weight (kg/km) PE/LSZH	
GYXTW-4xxx	4	3.2	1.5	7.6	59/74	1000
GYXTW-6xxx	6	3.2	1.5	7.6	59/74	1000
GYXTW-8xxx	8	3.2	1.5	7.6	59/74	1000
GYXTW-12xxx	12	3.2	1.5	7.6	60/75	1000
GYXTW-16xxx	16	4.0	1.5	8.2	62/79	1000
GYXTW-18xxx	18	4.0	1.5	8.2	62/79	1000
GYXTW-24xxx	24	4.0	1.5	8.2	62/80	1000

Remark: xxx means type of optic fiber

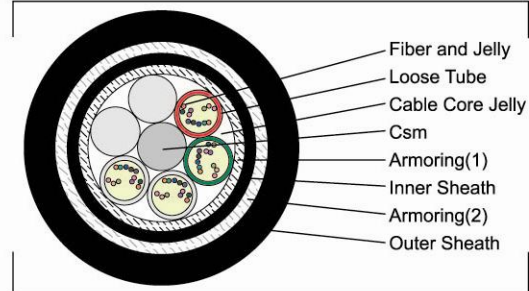
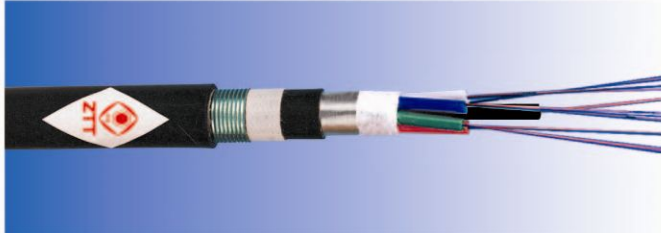
All sizes and values are nominal values





## Fiber Optic Cable Technical Specification

### AL Tape and Steel Tape Double Armored, Double Jackets, Steel CSM FOC (GYSTA53)



#### Technical Characteristics

- The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance
- The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties
- Double armours and double sheathes provide high crush resistance ability and moisture resistance

#### Structure Features

- Loose tube
- Central strength member
- Jelly filling in the tube and core
- AL/PE laminated tape armoured
- PE inner sheath
- Steel/PE corrugated tape armoured
- PE outer sheath

#### Cable Performance

Crush Resistance	4000N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/Storage	-40℃~+70℃
Installation	-10℃~+60℃
Operation	-40℃~+70℃

Ref. Standard: IEC 60794-3-10  
IEC 60304

Type	Fiber Count	Loose Tube No.	Fillers No.	Inner Sheath Thickness (Mm)	Outer Sheath Thickness (Mm)	Cable		Max Tensile Load(N)
						Outer Dia. (mm)	Weight (kg/km) PE/LSZH	
GYSTA53-4xxx	4	1	5	0.8	1.5	15.0	225/238	3000
GYSTA53-6xxx	6	1	5	0.8	1.5	15.0	225/238	3000
GYSTA53-8xxx	8	2	4	0.8	1.5	15.0	227/240	3000
GYSTA53-12xxx	12	2	4	0.8	1.5	15.0	227/240	3000
GYSTA53-16xxx	16	3	3	0.8	1.5	15.0	228/242	3000
GYSTA53-18xxx	18	3	3	0.8	1.5	15.0	228/242	3000
GYSTA53-24xxx	24	4	2	0.8	1.5	15.0	230/243	3000
GYSTA53-36xxx	36	6	\	0.8	1.5	15.0	233/246	3000
GYSTA53-48xxx	48	4	2	0.8	1.5	15.5	250/264	5000
GYSTA53-60xxx	60	5	1	0.8	1.5	15.5	251/265	5000
GYSTA53-72xxx	72	6	\	0.8	1.5	15.5	254/268	5000
GYSTA53-84xxx	84	7	\	0.8	1.5	16.3	275/290	5000
GYSTA53-96xxx	96	8	\	0.8	1.5	17.1	298/313	5000
GYSTA53-108xxx	108	9	\	0.8	1.5	17.9	322/338	5000
GYSTA53-120xxx	120	10	\	0.8	1.5	18.7	346/364	5000
GYSTA53-132xxx	132	11	\	0.8	1.5	19.5	372/389	5000
GYSTA53-144xxx	144	12	\	0.8	1.5	20.3	398/416	5000

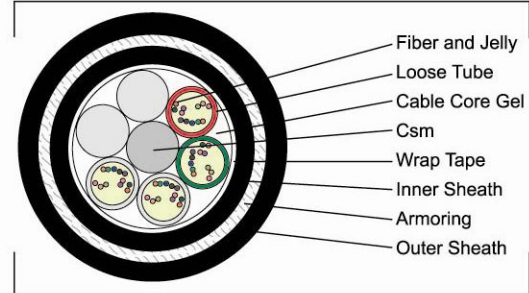
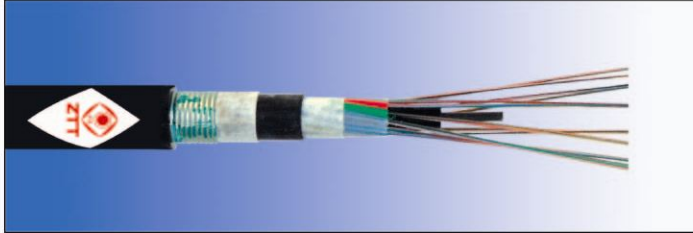
Remark: xxx means type of optic fiber

All sizes and values are nominal values





## Fiber Optic Cable Technical Specification Steel Tape Armored, Double Jackets, Steel CSM FOC (GYSTY53)



### Technical Characteristics

- The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance
- The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties
- Multiple water-blocking material filling provides dual waterblocking function
- Steel tape armours and double sheathes provide high crush resistance

### Structure Features

- Loose tube
- Central strength member
- Jelly filling in the tube and core
- PE inner sheath
- Steel/PE corrugated tape armoured
- PE outer sheath

### Cable Performance

Crush Resistance	4000N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/Storage	-40℃~+70℃
Installation	-10℃~+60℃
Operation	-40℃~+70℃

Ref. Standard: IEC 60794-3-10

Type	Fiber Count	Loose Tube No.	Fillers No.	Inner Sheath Thickness (Mm)	Outer Sheath Thickness (Mm)	Cable		Max Tensile Load(N)
						Outer Dia. (mm)	Weight (kg/km) PE/LSZH	
GYSTY53-4xxx	4	1	5	1	1.5	14.0	200/212	3000
GYSTY53-6xxx	6	1	5	1	1.5	14.0	200/212	3000
GYSTY53-8xxx	8	2	4	1	1.5	14.0	202/212	3000
GYSTY53-12xxx	12	2	4	1	1.5	14.0	202/213	3000
GYSTY53-16xxx	16	3	3	1	1.5	14.0	204/216	3000
GYSTY53-18xxx	18	3	3	1	1.5	14.0	204/216	3000
GYSTY53-24xxx	24	4	2	1	1.5	14.0	205/218	3000
GYSTY53-36xxx	36	6	\	1	1.5	14.0	210/221	3000
GYSTY53-48xxx	48	4	2	1	1.5	14.5	225/237	5000
GYSTY53-60xxx	60	5	1	1	1.5	14.5	227/240	5000
GYSTY53-72xxx	72	6	\	1	1.5	14.5	230/241	5000
GYSTY53-84xxx	84	7	\	1	1.5	15.3	250/263	5000
GYSTY53-96xxx	96	8	\	1	1.5	16.1	270/285	5000
GYSTY53-108xxx	108	9	\	1	1.5	16.9	293/308	5000
GYSTY53-120xxx	120	10	\	1	1.5	17.7	316/332	5000
GYSTY53-132xxx	132	11	\	1	1.5	18.5	340/357	5000
GYSTY53-144xxx	144	12	\	1	1.5	19.3	365/383	5000

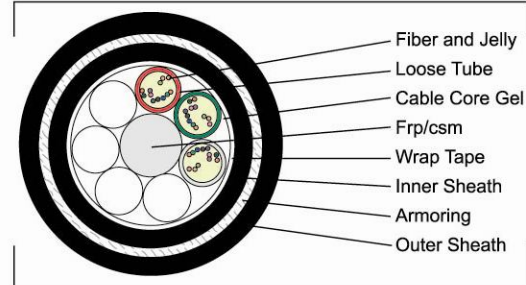
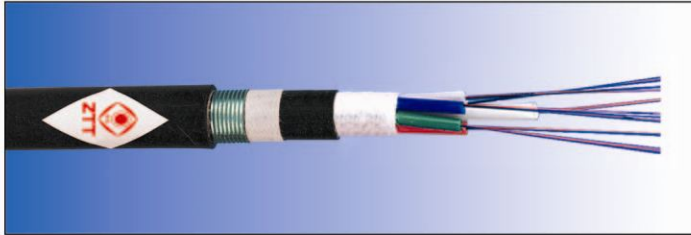
Remark: xxx means type of optic fiber

All sizes and values are nominal values





## Fiber Optic Cable Technical Specification Steel Tape Armored, Double Jackets, FRP CSM FOC (GYFSTY53)



### Technical Characteristics

- The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance
- The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties
- Multiple water-blocking material filling provides dual waterblocking function
- Tubes and core protected from moisture and longitudinal water penetration

### Structure Features

- Loose tube
- FRP central strength member
- Jelly filling in the tube and core
- PE inner sheath
- Steel/PE corrugated tape armoured
- PE outer sheath

### Cable Performance

Crush Resistance	4000N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/Storage	-40°C ~ +70°C
Installation	-10°C ~ +60°C
Operation	-40°C ~ +70°C

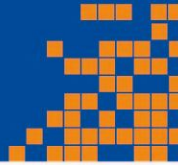
Ref. Standard: IEC 60794-3-10  
IEC 60304

Type	Fiber Count	Loose Tube No.	Fillers No.	Inner Sheath Thickness (Mm)	Outer Sheath Thickness (Mm)	Cable		Max Tensile Load(N)
						Outer Dia. (mm)	Weight (kg/km) PE/LSZH	
GYFSTY53-4xxx	4	1	6	1.0	1.5	14.6	182/194	2500
GYFSTY53-6xxx	6	1	6	1.0	1.5	14.6	182/194	2500
GYFSTY53-8xxx	8	2	5	1.0	1.5	14.6	183/195	2500
GYFSTY53-12xxx	12	2	5	1.0	1.5	14.6	184/197	2500
GYFSTY53-16xxx	16	3	4	1.0	1.5	14.6	185/198	2500
GYFSTY53-18xxx	18	3	4	1.0	1.5	14.6	185/198	2500
GYFSTY53-24xxx	24	4	3	1.0	1.5	14.6	187/200	2500
GYFSTY53-36xxx	36	6	1	1.0	1.5	14.6	190/203	2500
GYFSTY53-42xxx	42	7	\	1.0	1.5	14.6	193/205	2500
GYFSTY53-48xxx	48	6	1	1.0	1.5	14.6	193/205	2500
GYFSTY53-56xxx	56	7	\	1.0	1.5	14.6	194/206	2500
GYFSTY53-60xxx	60	5	2	1.0	1.5	15.5	208/222	3000
GYFSTY53-72xxx	72	6	1	1.0	1.5	15.5	210/224	3000
GYFSTY53-84xxx	84	7	\	1.0	1.5	15.5	212/226	3000
GYFSTY53-96xxx	96	8	\	1.0	1.5	16.1	229/245	3000
GYFSTY53-108xxx	108	9	\	1.0	1.5	16.9	251/267	3000
GYFSTY53-120xxx	120	10	\	1.0	1.5	17.7	274/290	3000
GYFSTY53-132xxx	132	11	\	1.0	1.5	18.5	300/316	3000
GYFSTY53-144xxx	144	12	\	1.0	1.5	19.3	324/342	3000

Remark: xxx means type of optic fiber

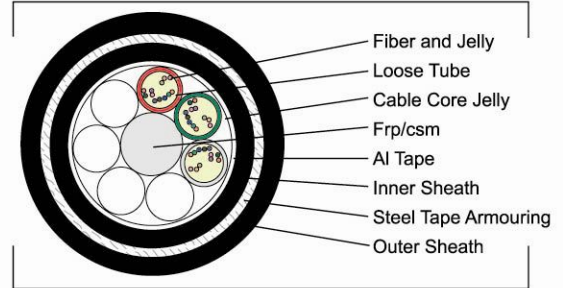
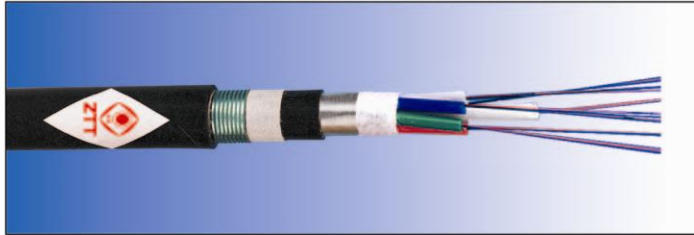
All sizes and values are nominal values





## Fiber Optic Cable Technical Specification

### AL Tape And Steel Tape Double Armored, Double Jackets, FRP CSM FOC (GYFSTA53)



#### Technical Characteristics

- The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance
- The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties
- Double armours and double sheathes provide high crush resistance ability

#### Structure Features

- Loose tube
- FRP central strength member
- Jelly filling in the tube and core
- AL/PE laminated tape armoured
- PE inner sheath
- Steel/PE corrugated tape armoured
- PE outer sheath

#### Cable Performance

Crush Resistance	4000N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/Storage	-40℃~+70℃
Installation	-10℃~+60℃
Operation	-40℃~+70℃

Ref. Standard: IEC 60794-3-10  
IEC 60304

Type	Fiber Count	Loose Tube No.	Fillers No.	Inner Sheath Thickness (Mm)	Outer Sheath Thickness (Mm)	Cable		Max Tensile Load(N)
						Outer Dia. (mm)	Weight (kg/km) PE/LSZH	
GYFSTA53-4xxx	4	1	6	1.0	1.5	16.0	215/230	2500
GYFSTA53-6xxx	6	1	6	1.0	1.5	16.0	216/230	2500
GYFSTA53-8xxx	8	2	5	1.0	1.5	16.0	217/231	2500
GYFSTA53-12xxx	12	2	5	1.0	1.5	16.0	219/232	2500
GYFSTA53-16xxx	16	3	4	1.0	1.5	16.0	219/234	2500
GYFSTA53-18xxx	18	3	4	1.0	1.5	16.0	220/235	2500
GYFSTA53-24xxx	24	4	3	1.0	1.5	16.0	224/239	2500
GYFSTA53-36xxx	36	6	1	1.0	1.5	16.0	225/240	2500
GYFSTA53-42xxx	42	7	\	1.0	1.5	16.0	225/240	2500
GYFSTA53-48xxx	48	6	1	1.0	1.5	16.0	225/240	2500
GYFSTA53-56xxx	56	7	\	1.0	1.5	16.0	227/241	2500
GYFSTA53-60xxx	60	5	2	1.0	1.5	16.9	244/250	3000
GYFSTA53-72xxx	72	6	1	1.0	1.5	16.9	248/261	3000
GYFSTA53-84xxx	84	7	\	1.0	1.5	16.9	248/263	3000
GYFSTA53-96xxx	96	8	\	1.0	1.5	17.5	266/282	3000
GYFSTA53-108xxx	108	9	\	1.0	1.5	18.3	290/307	3000
GYFSTA53-120xxx	120	10	\	1.0	1.5	19.1	315/332	3000
GYFSTA53-132xxx	132	11	\	1.0	1.5	19.9	342/360	3000
GYFSTA53-144xxx	144	12	\	1.0	1.5	20.7	368/387	3000

Remark: xxx means type of optic fiber

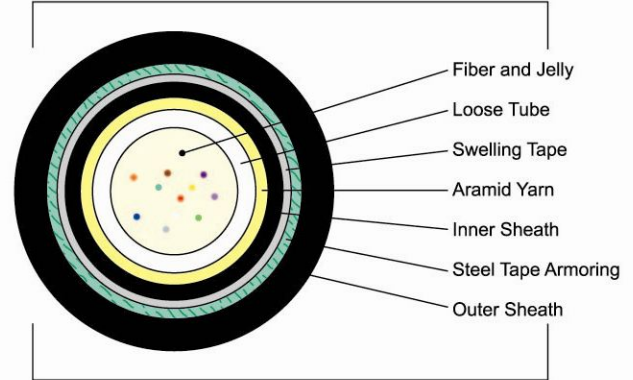
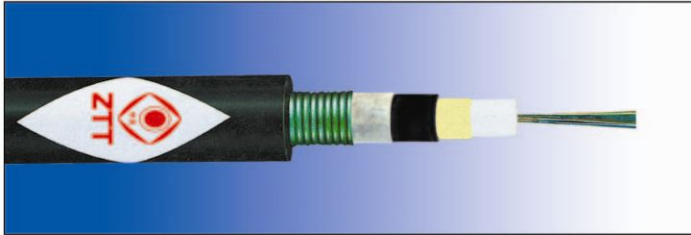
All sizes and values are nominal values





## Fiber Optic Cable Technical Specification

### Central Tube Steel Tape Armoured Double-Sheath FOC (Type: GYXTKY53)



#### Technical Characteristics

- The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance
- The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties
- Steel/PE laminated tape adhesion sheath provides good crush resistance

#### Structure Features

- Central loose tube
- Aramid yarn strengthen
- PE inner sheath
- Steel/PE corrugated tape armoured
- PE outer sheath

#### Cable Performance

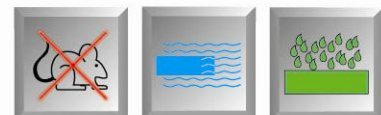
Crush Resistance	3000N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/Storage	-40℃~+70℃
Installation	-10℃~+60℃
Operation	-40℃~+70℃

Ref. Standard: IEC 60794-3-10  
IEC 60304

Type	Fiber Count	Sheath Thickness (Mm) Inner/outer	Outer Dia	Weight	Tension Force(N)	
			(mm)	(kg/mm)	Short Term	Long Term
GYXTKY53-2xxx	2	1.0/1.5	11	123	1500	600
GYXTKY53-4xxx	4	1.0/1.5	11	123	1500	600
GYXTKY53-6xxx	6	1.0/1.5	11	123	1500	600
GYXTKY53-8xxx	8	1.0/1.5	11	124	1500	600
GYXTKY53-10xxx	10	1.0/1.5	11	124	1500	600
GYXTKY53-12xxx	12	1.0/1.5	11	124	1500	600
GYXTKY53-16xxx	16	1.0/1.5	11.6	133	1500	600
GYXTKY53-24xxx	24	1.0/1.5	11.6	134	1500	600

Remark: xxx means type of optic fiber

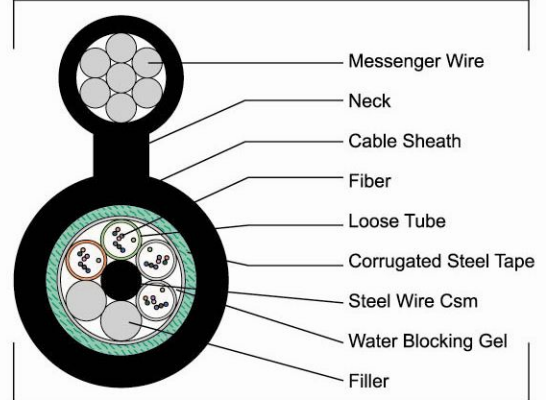
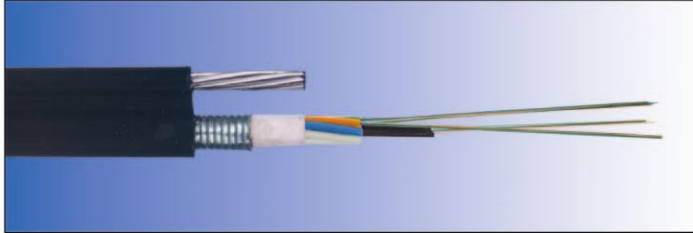
All sizes and values are nominal values





## Fiber Optic Cable Technical Specification

### Figure-8, Corrugated Steel Tape Armored, Steel CSM FOC (GYSTC8S)



#### Technical Characteristics

- The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance
- The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties
- Self-support structure provides the cable with high tensile strength, easy aerial installation and low installation cost
- Steel tape armouring provides the cable with good crush resistance ability

#### Structure Features

- Loose-tube
- Steel wire central strength member
- Jelly filling in the tube and core
- Steel/PE corrugated tape
- Steel wire stranded messenger wire
- Figure-8 self-support structure

#### Cable Performance

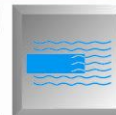
Crush Resistance	3000N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/Storage	-40°C ~ +70°C
Installation	-10°C ~ +60°C
Operation	-40°C ~ +70°C

Ref. Standard: IEC 60794-3-20  
IEC 60304

Type	Fiber Count	Messenger Steel Wire	Loose Tube	Fillers	Sheath Thickness (Mm)	Cable	Weight (kg/km)	Max Tensile Load(N)
			No.	No.		Outer Dia.		
GYSTC8S-4xxx	4	1.2mmx7	1	5	2.0	11.6	237	3600
GYSTC8S-6xxx	6	1.2mmx7	1	5	2.0	11.6	237	3600
GYSTC8S-8xxx	8	1.2mmx7	2	4	2.0	11.6	238	3600
GYSTC8S-12xxx	12	1.2mmx7	2	4	2.0	11.6	238	3600
GYSTC8S-16xxx	16	1.2mmx7	3	3	2.0	11.6	240	3600
GYSTC8S-18xxx	18	1.2mmx7	3	3	2.0	11.6	240	3600
GYSTC8S-24xxx	24	1.2mmx7	4	2	2.0	11.6	241	3600
GYSTC8S-36xxx	36	1.2mmx7	6	\	2.0	11.6	244	3600
GYSTC8S-48xxx	48	1.2mmx7	6	\	2.0	13.1	287	3600
GYSTC8S-60xxx	60	1.2mmx7	5	1	2.0	13.1	288	3600
GYSTC8S-72xxx	72	1.2mmx7	6	\	2.0	13.1	290	3600
GYSTC8S-84xxx	84	1.2mmx7	7	\	2.0	13.1	310	3600
GYSTC8S-96xxx	96	1.2mmx7	8	\	2.0	14.7	330	3600
GYSTC8S-108xxx	108	1.2mmx7	9	\	2.0	15.5	350	3600
GYSTC8S-120xxx	120	1.2mmx7	10	\	2.0	16.3	373	3600
GYSTC8S-132xxx	132	1.2mmx7	11	\	2.0	17.1	396	3600
GYSTC8S-144xxx	144	1.2mmx7	12	\	2.0	17.9	420	3600

Remark: xxx means type of optic fiber

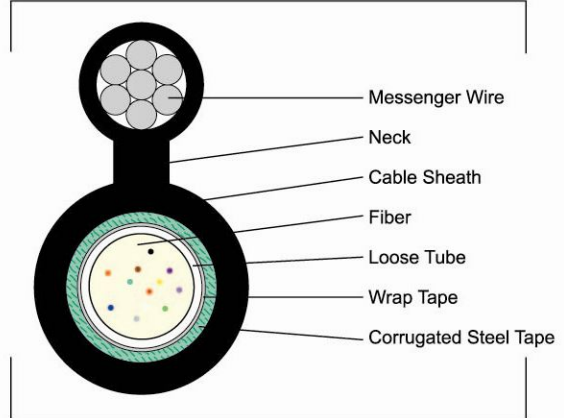
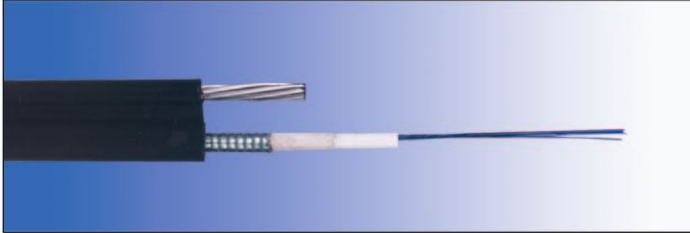
All sizes and values are nominal values





## Fiber Optic Cable Technical Specification

### Figure-8, Steel Tape Armored, Central Loose Tube FOC (GYXTC8S)



#### Technical Characteristics

- The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance
- The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties
- Self-support structure provides the cable with high tensile strength, easy aerial installation and low installation cost
- Steel tape armoring provides the cable with good crush resistance ability

#### Structure Features

- Central loose-tube
- Steel/PE corrugated tape
- Steel wire stranded messenger wire
- Figure-8 self-support structure

#### Cable Performance

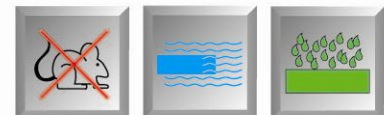
Crush Resistance	2000N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/Storage	-40°C ~ +70°C
Installation	-10°C ~ +60°C
Operation	-40°C ~ +70°C

Ref. Standard: IEC 60794-3-20

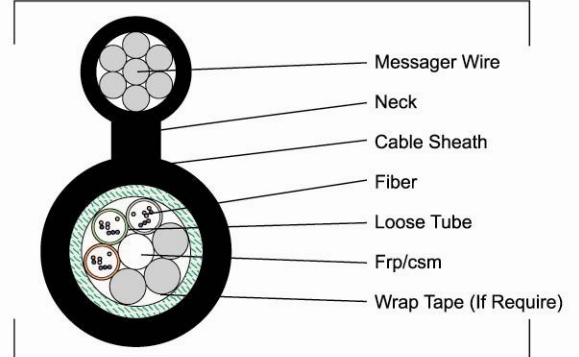
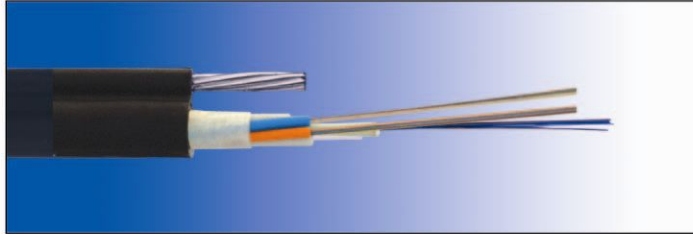
Type	Fiber Count	Messenger Wire		Loose Tube Dia./mm	Cable			
		Steel Wire	Pe Sheath Dia./mm		Sheath Thickness (Mm)	Outer Dia. (mm)	Weight (kg/km)	Max Tensile Load(N)
GYXTC8S-4xxx	4	1.2mmx7	1.2	3.0	2.0	8.8	168	3600
GYXTC8S-6xxx	6	1.2mmx7	1.2	3.0	2.0	8.8	168	3600
GYXTC8S-8xxx	8	1.2mmx7	1.2	3.0	2.0	8.8	169	3600
GYXTC8S-12xxx	12	1.2mmx7	1.2	3.0	2.0	8.8	169	3600
GYXTC8S-16xx	16	1.2mmx7	1.2	4.2	2.0	10.0	185	3600
GYXTC8S-18xxx	18	1.2mmx7	1.2	4.2	2.0	10.0	185	3600
GYXTC8S-24xxx	24	1.2mmx7	1.2	4.2	2.0	10.0	186	3600

Remark: xxx means type of optic fiber

All sizes and values are nominal values



## Fiber Optic Cable Technical Specification Figure-8, Non-Armored, FRP CSM FOC (GYFSTC8Y)



### Technical Characteristics

- Self-support structure provides the cable with high tensile strength

### Structure Features

- Loose tube
- FRP central strength member
- Jelly filling in the tube and core
- Steel wires stranded messenger wire

### Installation

- Easy for aerial installation
- Low installation cost

### Cable Performance

Crush Resistance	2000N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/Storage	-40°C ~ +70°C
Installation	-10°C ~ +60°C
Operation	-40°C ~ +70°C

Ref. Standard: IEC 60794-3-20  
IEC 60304

Type	Fiber Count	Messenger Steel Wire	Loose Tube	Fillers	Sheath Thickness (Mm)	Cable	Weight (kg/km)	Max Tensile Load(N)
			No.	No.		Outer Dia.		
GYFSTC8Y-4xxx	4	1.4mmx7	1	5	2.0	11.1	206	4500
GYFSTC8Y-6xxx	6	1.4mmx7	1	5	2.0	11.1	207	4500
GYFSTC8Y-8xxx	8	1.4mmx7	2	4	2.0	11.1	208	4500
GYFSTC8Y-12xxx	12	1.4mmx7	2	4	2.0	11.1	209	4500
GYFSTC8Y-16xxx	16	1.4mmx7	3	3	2.0	11.1	210	4500
GYFSTC8Y-18xxx	18	1.4mmx7	3	3	2.0	11.1	210	4500
GYFSTC8Y-24xxx	24	1.4mmx7	4	2	2.0	11.1	212	4500
GYFSTC8Y-36xxx	36	1.4mmx7	6	\	2.0	11.1	216	4500
GYFSTC8Y-48xxx	48	1.4mmx7	6	\	2.0	11.1	217	4500
GYFSTC8Y-56xxx	56	1.4mmx7	5	1	2.0	11.7	224	4500
GYFSTC8Y-60xxx	60	1.4mmx7	5	1	2.0	11.7	224	4500
GYFSTC8Y-72xxx	72	1.4mmx7	6	\	2.0	11.7	226	4500
GYFSTC8Y-84xxx	84	1.4mmx7	7	\	2.0	12.5	242	4500
GYFSTC8Y-96xxx	96	1.4mmx7	8	\	2.0	13.3	260	4500
GYFSTC8Y-108xxx	108	1.4mmx7	9	\	2.0	14.1	277	4500
GYFSTC8Y-120xxx	120	1.4mmx7	10	\	2.0	14.9	296	4500
GYFSTC8Y-132xxx	132	1.4mmx7	11	\	2.0	15.7	316	4500
GYFSTC8Y-144xxx	144	1.4mmx7	12	\	2.0	16.5	337	4500

Remark: xxx means type of optic fiber

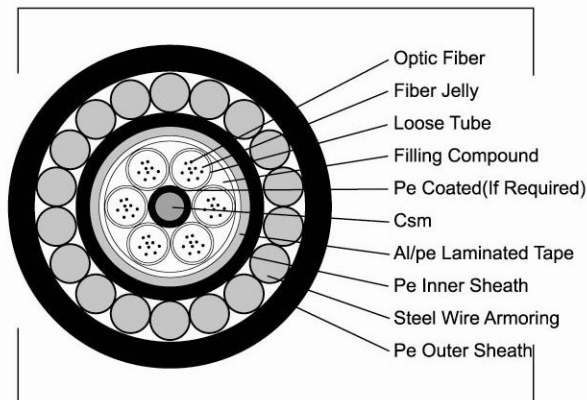
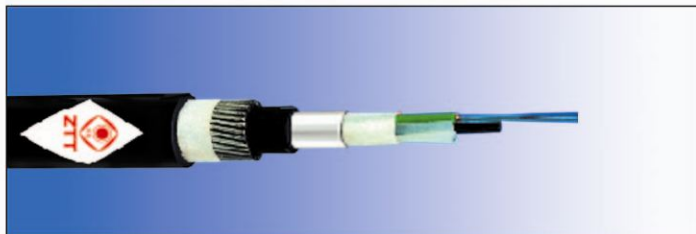
All sizes and values are nominal values





## Fiber Optic Cable Technical Specification

### AL/PE Laminated Tape, Double Jacket, Steel Wire Armored FOC (GYSTA33)



#### Technical Characteristics

- The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance
- The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties
- Multiple waterblocking material provides dual waterblocking function
- Dual sheathes provide the cable with good crush resistance capacity

#### Structure Features

- Loose-tube fiber
- Metallic central strength member
- Filling compound in the cable core
- AL/PE laminated tape adhesion + PE inner sheath
- Armored steel wires + PE outer sheath

#### Applications

- It is suitable to be used for telecommunications and inter-exchange communications

#### Installation Mode

- Underwater or Direct-buried

#### Cable Performance

Crush Resistance	5000N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/Storage	-40℃~+70℃
Installation	-10℃~+60℃
Operation	-40℃~+70℃

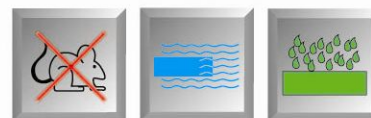
Ref. Standard: IEC 60794-3-30  
IEC 60304

Fiber Count	Outer Diameter (Mm)	Weight (kg/km)	Tension Load(N)		Crush Resistance (N/100mm)	
			Long-term	Short-term	Long-term	Short-term
2~48	18.9	≤ 610	4000	10000	3000	5000
50~72	19.5	≤ 645	4000	10000	3000	5000
74~84	20.3	≤ 695	4000	10000	3000	5000
86~96	21.1	≤ 745	4000	10000	3000	5000
98~108	21.9	≤ 785	4000	10000	3000	5000
110~120	22.7	≤ 840	4000	10000	3000	5000
122~132	23.5	≤ 880	4000	10000	3000	5000

Note: Write the tension strength when order requires.

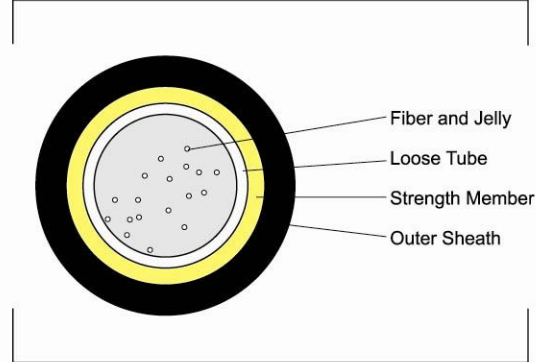
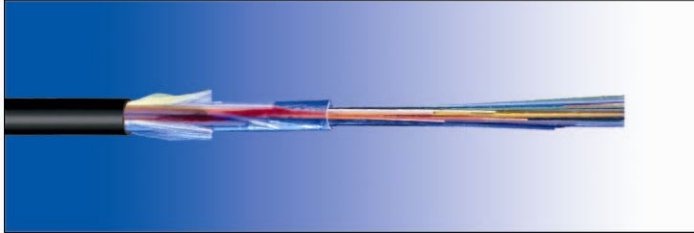
Remark: xxx means type of optic fiber

All sizes and values are nominal values





## Fiber Optic Cable Technical Specification Non-metallic Air Blowing Cable (Type: GYMFXTY)



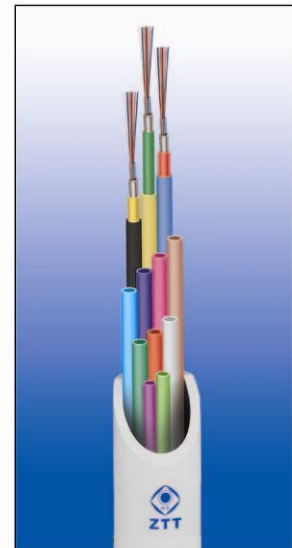
- Technical Characteristics**
- Small outer diameter
  - Light weight
  - Good crush and tension performance
- Structure Features**
- Fiber in central tube
  - Jelly filling in the tube
  - High performance reinforcement yarns
- Installation Mode**
- Air-blowing
  - Easy to control fiber counts

### Cable Performance

Crush Resistance	300N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	-20℃ ~ +60℃
Transport/Storage	-40℃ ~ +70℃
Installation	-10℃ ~ +50℃
Operation	-40℃ ~ +70℃

Ref. Standard: IEC 60794-3-10  
IEC 60304

Type	Fiber Count	Cable		Max Tension Force	
		Outer Dia. (mm)	Weight (kg/km)	Short Term (N)	Long Term (N)
GYMFXTY-2XXX	2	3.5	15	300	100
GYMFXTY-4XXX	4	3.5	15	300	100
GYMFXTY-6XXX	6	3.5	15	300	100
GYMFXTY-8XXX	8	3.5	16	300	100
GYMFXTY-10XXX	10	3.5	16	300	100
GYMFXTY-12XXX	12	3.5	16	300	100
GYMFXTY-(14-24)XXX	14-24	4.0	18	300	100
GYMFXTY-(26-48)XXX	26-48	4.6	25	300	100
GYMFXTY-(50-96)XXX	50-96	6.6	35	300	100



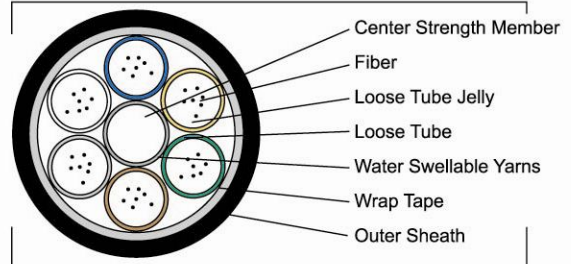
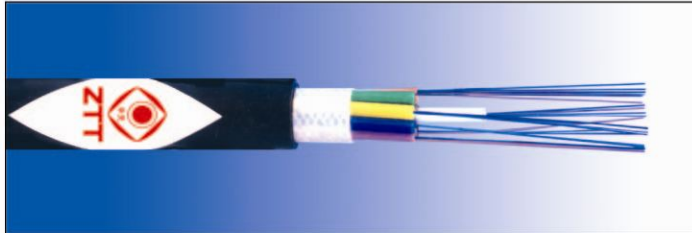
Air-blowing FOC conduit and sub-tube

Remark: xxx means type of optic fiber  
All sizes and values are nominal values





## Fiber Optic Cable Technical Specification Loose Tube Non-Metallic Air Blowing Micro Cable (GYMFSTY)



### Technical Characteristics

- Small outer diameter
- Light weight
- Good crush and tension performance

### Structure Features

- Fiberglass reinforcement plastic
- SZ stranded Loose tube
- Water swellable yarns
- Outer sheath black PE

### Installation Mode:

- Air -blowing
- Easy to control fiber counts.

### Cable Performance

Crush Resistance	300N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/Storage	-20℃ ~ +60℃
Installation	-10℃ ~ +50℃
Operation	-20℃ ~ +60℃

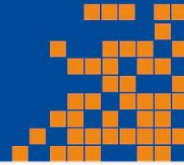
Ref. Standard: IEC 60794-3-10  
IEC 60304

Type	Fiber Count	Cable		Max Tension Force	
		Outer Dia. (mm)	Weight (kg/km)	Short Term (N)	Long Term (N)
GYMFSTY-12xxx	12	6.3	28	200	100
GYMFSTY-24xxx	24	6.3	30	200	100
GYMFSTY-36xxx	36	6.3	30	200	100
GYMFSTY-48xxx	48	6.3	33	200	100
GYMFSTY-60xxx	60	6.3	34	200	100
GYMFSTY-72xxx	72	6.3	35	200	100

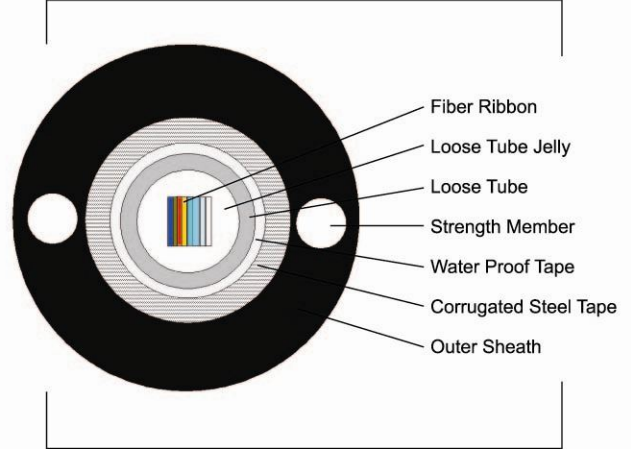
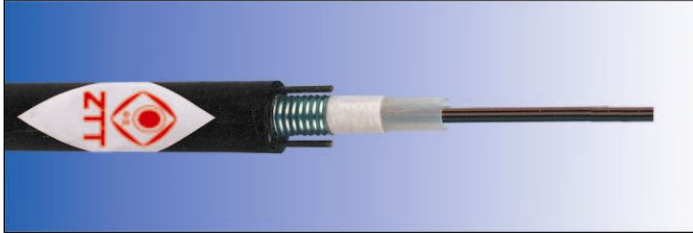
Remark: xxx means type of optic fiber

All sizes and values are nominal values





## Fiber Optic Cable Technical Specification Central Tube Steel Tape Armored, Fiber Ribbon FOC (Type: GYDXTW)



### Technical Characteristics

- The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance
- The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties
- Multiple waterblocking material filling provides dual waterblocking function
- Special ribbon forming and curing process precisely controlling the geometric parameters and facilitating the splicing of the fiber ribbons

### Structure Features

- Fiber ribbon in loose tube
- Jelly filling in the tube
- Steel/PE corrugated tape armored
- Parallel steel wire strengthen
- PE outer sheath

### Cable Performance

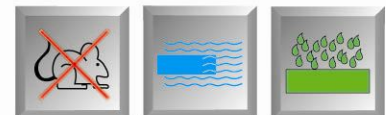
Crush Resistance	2000N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/Storage	-40°C ~ +70°C
Installation	-10°C ~ +60°C
Operation	-40°C ~ +70°C

Ref. Standard: IEC 60794-3-10  
IEC 60304

Fiber Count	Outer Diameter (Mm)	Weight (kg/km)	Minimum Static Bending Radius (Mm)	Minimum Dynamic Bending Radius(Mm)	Short-term Tension (N)	Long-term Tension (N)	Crush Resistance (N/100mm)
8-24	15.0	205	180	360	3000	600	2000
32-48	17.0	220	190	380	3000	600	2000
56-96	18.0	250	210	420	3000	600	2000
108-144	20.0	310	240	480	3000	600	2000

Remark: xxx means type of optic fiber

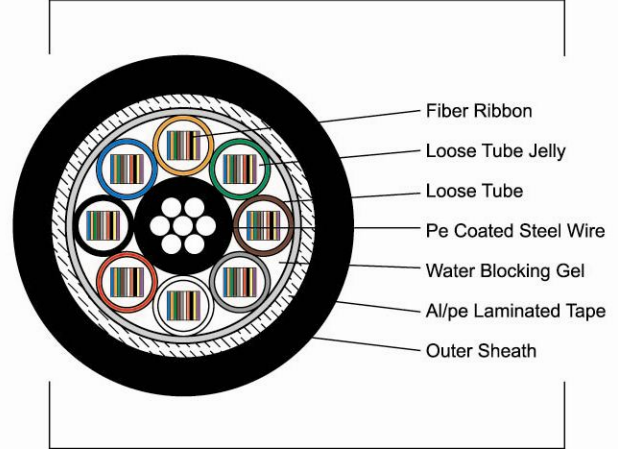
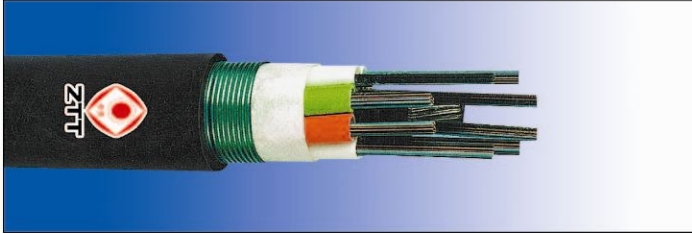
All sizes and values are nominal values





## Fiber Optic Cable Technical Specification

### AL/PE Laminated Tape Coated Steel CSM, Single Jacket, Fiber Ribbon FOC (GYDSTA)



#### Technical Characteristics

- Longitudinally covering of PE/steel/PE corrugated tape enhancing the crush resistance of the cable
- The PE sheath provides good anti-UV radiation performance
- The pay-off with active tension back-twist and the precise fiber excess length control ensuring the cable offer good mechanical and temperature performance
- Special jelly filled in the loose tube provides the fibers with critical protection
- Special ribbon forming and curing process precisely controlling the geometric parameters and facilitating the splicing of the fiber ribbons

#### Structure Features

- Fiber ribbon in loose tube
- Jelly filling in the tube and core
- Metallic central strength member
- PE/steel/PE corrugated tape armored
- PE outer sheath

#### Cable Performance

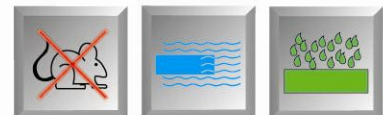
Crush Resistance	2000N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/Storage	-40℃~+70℃
Installation	-10℃~+60℃
Operation	-40℃~+70℃

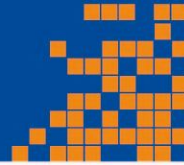
Ref. Standard: IEC 60794-3-10  
IEC 60304

Fiber Count	Outer Diameter (Mm)	Weight (kg/km)	Minimum Static Bending Radius (Mm)	Minimum Dynamic Bending Radius(Mm)	Tensile Strength (N)
4-120	16.6	262	330	400	3000
124-144	19.0	318	370	450	3000
146-216	21.6	400	410	490	3000
220-288	24.0	490	470	540	3000
288-360	24.8	540	500	580	4400
364-480	28.0	700	580	650	5500
484-600	30.0	800	640	700	6500
608-960	36.0	900	720	780	7500

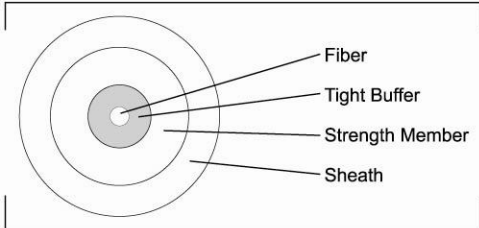
Remark: xxx means type of optic fiber

All sizes and values are nominal values





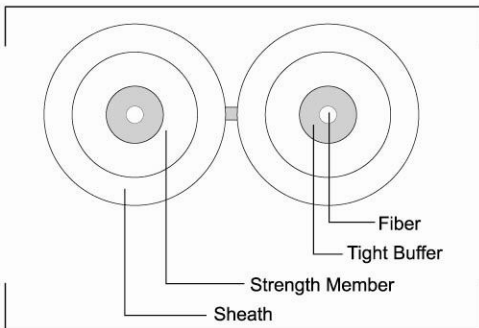
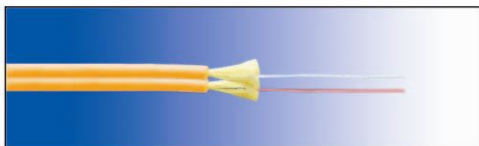
## Fiber Optic Cable Technical Specification Simplex and Duplex Indoor FOC



### Technical Characteristics

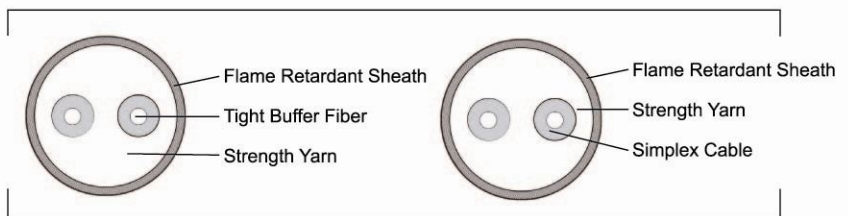
- Tight buffered optic fiber, aramid yarn strength member
- High strength, low weight, non jelly filled, easy to install and joint
- Flame retardant PVC or LSZH sheath
- Well pliability, specially use for patch cord and pigtail
- Use for LAN or connection between equipment and backbone network

Fiber Count	Outer Dia. (mm)	Weight (kg/km)	Max. Tensile Load (N)		Crush Resistance N/10cm		Bending Radius (Mm)	
			Short Term	Long Term	Short Term	Long Term	Installation	Operation
1	3.0	7.0	150	80	500	100	50	30
1	2.0	3.5	100	60	500	100	50	30
Storage Temperature °C			-20~+60					
Operation Temperature °C			-10~+50					



### Technical Characteristics

- Tight buffered optic fiber, aramid yarn strength member
- High strength, low weight, non jelly filled, easy to install and joint
- Flame retardant PVC or LSZH sheath
- Well pliability, specially use for patch cord and pigtail
- Use for LAN or connection between equipment and backbone network



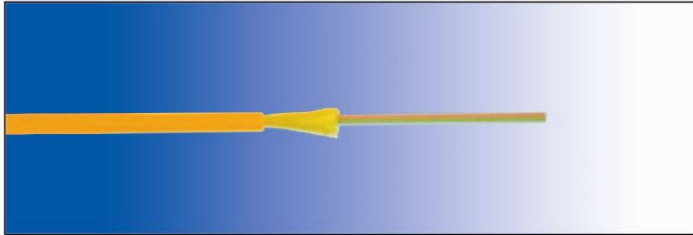
Fiber Count	Outer Dia. (mm)	Weight (kg/km)	Max Tensile Load (N)		Crush Resistance N/10cm		Bending Radius (Mm)	
			Short Term	Long Term	Short Term	Long Term	Installation	Operation
Duplex	2.8X5.6	13.8	300	160	1000	200	20D	10D
Type1	3.2	10.2	200	100	1000	200	20D	10D
Type2	5.4	15.5	300	160	1000	200	20D	10D
Storage Temperature °C			-20~+60					
Operation Temperature °C			-10~+50					



Remark: "D" is cable diameter abbreviation

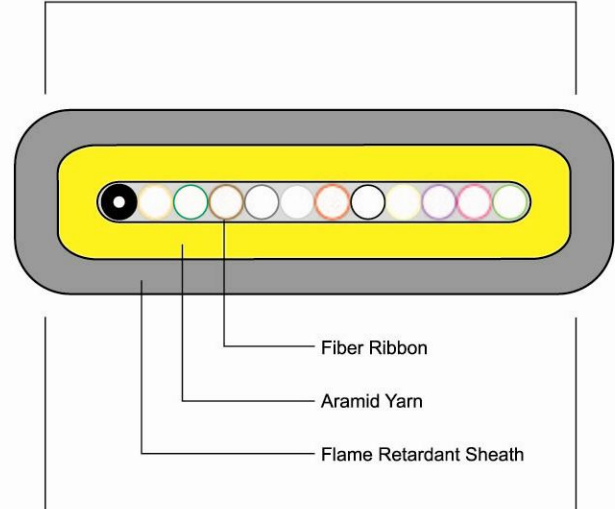


## Fiber Optic Cable Technical Specification Indoor Fiber Ribbon Distribution Cable



### Technical Characteristics

- Aramid yarn member, rectangle structure
- Small dimension, large fiber count, well pliability and crush resistance capacity
- Use for connection between or in the equipments
- 2-12 fibers per ribbon
- Flame retardent PVC or LSZH sheath



Fiber Count	Outer Dia. (mm)	Weight (kg/km)	Max Tensile Load (N)		Crush Resistance N/10cm		Bending Radius (Mm)	
			Short Term	Long Term	Short Term	Long Term	Installation	Operation
4	3.5X2.5	7.5	150	80	1000	200	20D	10D
6	4.0X2.5	8.0	150	80	1000	200	20D	10D
8	4.5X2.5	9.0	150	80	1000	200	20D	10D
12	5.0X2.9	9.9	200	100	1000	200	20D	10D
Storage Temperature℃			-20~+60					
Operation Temperature℃			-10~+50					

Remark: xxx means type of optic fiber

All sizes and values are nominal values

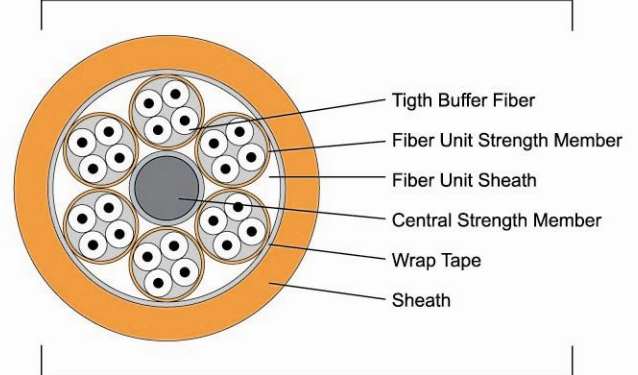
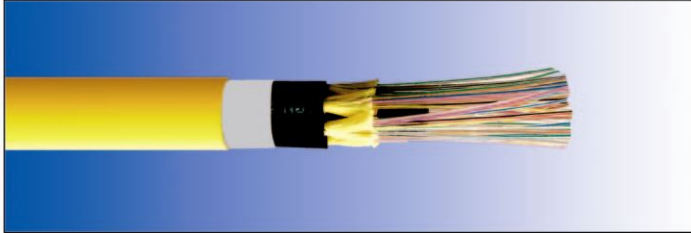
"D" is cable diameter abbreviation







## Fiber Optic Cable Technical Specification Non-metallic Indoor Distribution Cable (Type: GJFJV)



### Technical Characteristics

#### Structure features

- 0.9mm tight buffer fiber
- FRP central strength member (PE/PVC coated if required)
- Aramid strength member

#### Technical Characteristics

- Tight buffer fiber and strength member compose the fiber unit
- Flame retardant sheath has good bending performance, easy to install
- Fiber units are surrounded by halogen free aramid yarn for strength
- Outer sheath can be Low Smoke Zero Halogen (LSZH) or PVC
- Suitable for all types of connectors

### Cable Performance

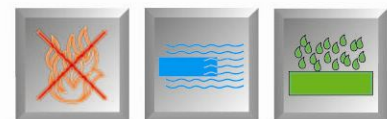
Crush Resistance	1000N/10cm
Bending Radius:	Short Term 20d
	Long Term 10d
Temperature Range	
Transport/Storage	-20°C ~ +60°C
Installation	-10°C ~ +50°C
Operation	-20°C ~ +60°C

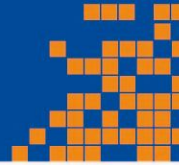
Ref. Standard: IEC 60794-2

Type	Fiber Count	Fiber No. Per Unit	Fiber Units No.	Fiber Unit Jacket		Outer Sheath		Cable	
				Material	Thickness (mm)	Material	Thickness (mm)	Outer Diameter (Mm)	Weight (kg/km)
GJFJV-24xxx	24	4	6	PVC	0.8	PVC	1.2	16.3	215
GJFJV-36xxx	36	6	6	PVC	0.8	PVC	1.2	17.8	255
GJFJV-48xxx	48	8	6	PVC	0.8	PVC	1.2	19.3	290
GJFJV-72xxx	72	12	6	PVC	0.8	PVC	1.2	20.8	345
GJFJV-96xxx	96	12	8	PVC	0.8	PVC	1.2	24.8	485
GJFJV-144xxx	144	12	12	PVC	0.8	PVC	1.2	32.8	830

Remark: xxx means type of optic fiber

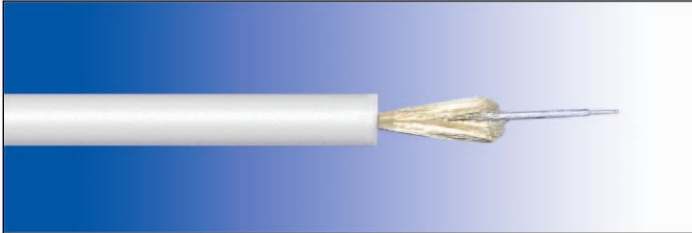
All sizes and values are nominal values





## FTTH CABLE SOLUTION

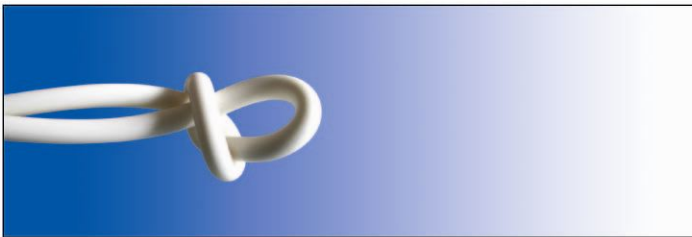
### Super Flexible-bend SM Fiber Patch Cord



#### Features

##### Flexible & Low Bending Cable For FttH Onu Connection

- Good Crush Resistance for crush resistance
- Small bending radius < 15mm
- Kink free and flexible



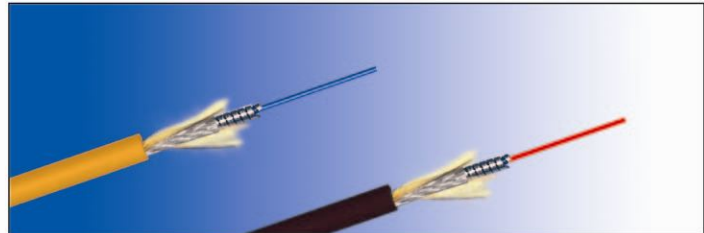
#### Specifications

Fiber	1xSM
Diameter(mm)	4.0
Tensile Strength(N)	300
Crush Resistance(N/10cm)	5000
Connector	SC/PC SC/APC
Standard Length(M)	2, 3, 5

### Armored Indoor Cable

#### Features

- Good mechanical and environmental property
- Flame-retardant property
- Soft, flexible and easy to splice



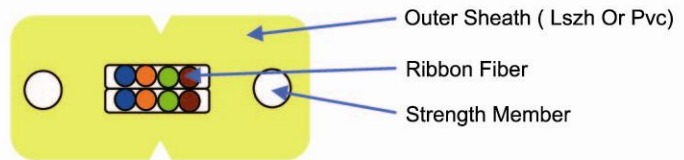
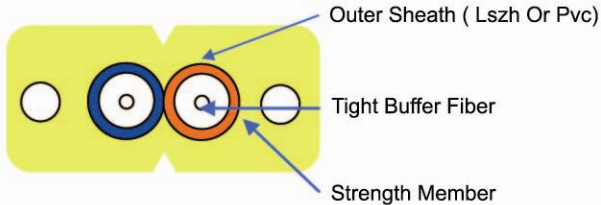
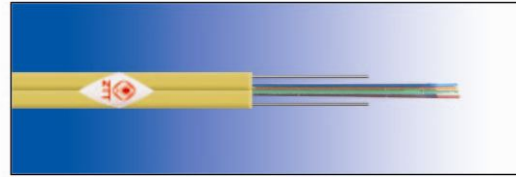
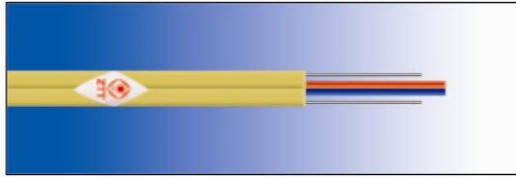
#### Specifications

Fiber	Single Mode	Multi-mode	
Mode Field Diameter(Um)	9.2 ± 0.4um @1310nm 10.4± 0.8um@1550nm	50 ± 2.5um	62.5 ± 2.5um
Max. Attenuation	0.5dB/km @1310nm 0.4dB/km @1550nm	3.5dB/km @850nm 1.5dB/km @1300nm	3.5dB/km @850nm 1.5dB/km @1300nm
Outer Diameter(Mm)	2.85 ± 0.10mm		
Weight (Kg/km)	18		
Tensile Strength (N)	200		
Crush Resistance(N/100mm)	3000		
Bending Radius (Mm)	25		
Temperature	-40 °C ~ 80 °C		



## FTTH CABLE SOLUTION

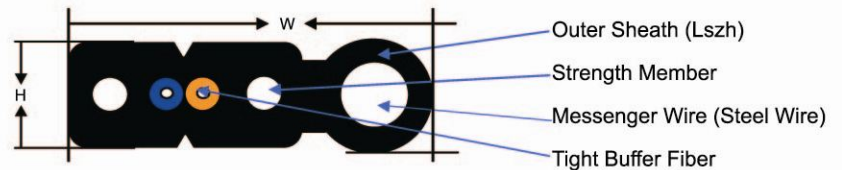
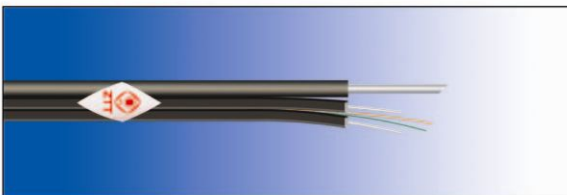
### Flat Drop Cable



#### Specifications

Structure	Unit	Details	
Fiber Number		2 Tight Buffer Fiber	2 X 4 Fiber Ribbon
Cable Diameter (H X W)	mm	2.0 X 4.0 (± 0.2)	2.3 × 4.3 (± 0.2)
Weight	Kg/km	15 ± 5	18 ± 5
Max. Tensile Strength	N	180	220
Crush Resistance	N /10cm	400	500
Temperature	Storage and Operating : -20 °C - +70 °C Installation : - 5 °C- + 50 °C		

### Figure 8 Aerial Drop Cable (Indoor and Outdoor Cable)



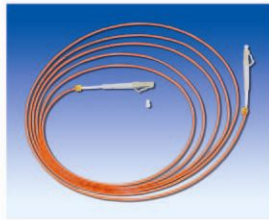
#### Specifications

Structure	Unit	Details	
Fiber Number	pcs	2 Tight Buffer Fiber	
Cable Diameter (H X W)	mm	2.0 × 5.5 (± 0.2)	
Weight	Kg/km	22 ± 5	
Max. Tensile Strength	N	660	
Crush Resistance	N /10cm	1000	
Temperature	Storage and Operating : -40 °C~ + 70 °C Installation : - 5 °C~ + 50 °C		

## Patch Cord and Adapter

### Connector Type

FC-PC/UPC/APC  
ST-PC/UPC  
SC-PC/UPC/APC  
LC-PC/AOC  
Other: D4, SMA, PCF FDDI,  
MPO, MT, MT-RJ, MU



Lc Connector



St Connector



Mu Connector

### Applications

Optical fiber public telecommunication net  
Optical fiber special transmission net  
CATV  
Fiber Test System  
Fiber computer net



Sc Connector



Fc Connector

### Technical Characteristic

Type	Insert Attenuation (Db)	Typical (dB)	Return Loss (Db)	Repeat Additional Loss(Db)	Interchange Additional Loss(Db)	Durability (times)
PC	≤0.3	0.15	≥45	≤0.1	≤0.2	>1000
UPC	≤0.3	0.15	≥50	≤0.1	≤0.2	>1000
APC	≤0.3	0.15	≥60	≤0.1	≤0.2	>1000

### Package Information

Item	Count	Package Measure(Mm)	Net Weight (Kg)	Gross Weight (Kg)
Patch Cord	10pcs	315(L)X205(W)X55(H)	0.9	1.1
Chest 1	10 boxes	560(L)X220(W)X330(H)	9	11.8
Chest 2	20 boxes	580(L)X320(W)X450(H)	18	23.5



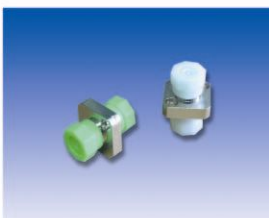
Distribution Connector



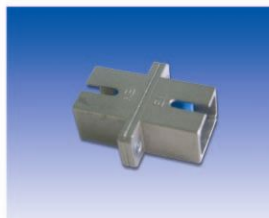
Fiber Ribbon Connector



Water Proof Connector



Fc Adapter



Sc Adapter



St Adapter

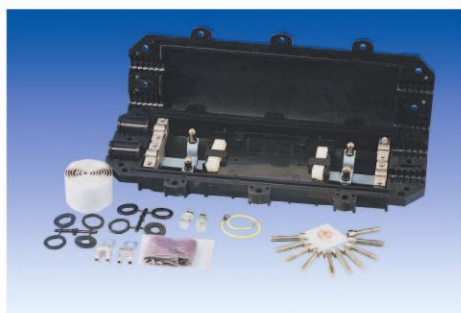




## Joint Box Technical Specification



Type	GIk-01	
Characteristics	Material	abs Plastic
	Cable Entries	2
Specifications	Product Measure(Mm)	440(L)×190(W)×95(H)
	Package Measure(Mm)	500(L)×220(W)×150(H)
	Net Weight(Kg)	2.4
	Gross Weight(Kg)	3.4
	Applications	Aerial/buried/duct
	Fiber Additional Attenuation	≤0.01db
	Fiber Bending Radius	≥40mm
	Retaining Fiber Length	≥1.6m
Crush Resistance	≥2000n/10cm	
Max Fiber Count Capacity	72	



Type	GIk-02	
Characteristics	Material	abs Plastic
	Cable Entries	4
Specifications	Product Measure(Mm)	440(L)×190(W)×95(H)
	Package Measure(Mm)	500(L)×220(W)×150(H)
	Net Weight(Kg)	4.3
	Gross Weight(Kg)	4.5
	Applications	Aerial/buried/duct
	Fiber Additional Attenuation	≤0.01db
	Fiber Bending Radius	≥40mm
	Retaining Fiber Length	≥1.6m
Crush Resistance	≥2000n/10cm	
Max Fiber Count Capacity	72	



Type	Pfk (Use For Fiber Ribbon Cable)	
Characteristics	Material	abs Plastic
	Cable Entries	4
Specifications	Product Measure(Mm)	610 (L)×250(W)×196(H)
	Package Measure(Mm)	620 (L)×270(W)×200(H)
	Net Weight(Kg)	8
	Gross Weight(Kg)	9
	Applications	Aerial/buried/duct
	Fiber Additional Attenuation	≤0.01db
	Fiber Bending Radius	≥50mm
	Retaining Fiber Length	≥2m
Crush Resistance	≥2000n/10cm	
Max Fiber Count Capacity	400	



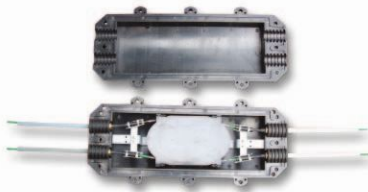
Type	Ptk (Use For Opgw/adss)	
Characteristics	Material	aluminum Alloy
	Cable Entries	2 3 4
Specifications	Product Measure(Mm)	450(H)×205(Φ)
	Package Measure(Mm)	285×315×470
	Net Weight(Kg)	8.5
	Gross Weight(Kg)	9
	Applications	Aerial
	Fiber Additional Attenuation	≤0.01db
	Fiber Bending Radius	≥37.5mm
	Retaining Fiber Length	≥1.6m
Crush Resistance	≥2000n/10cm	
Max Fiber Count Capacity	96	



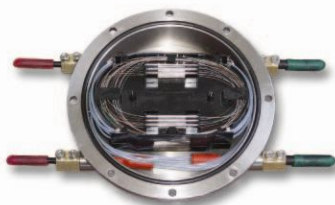
## Joint Box Technical Specification



Type	Gp2	
Characteristics	Material	abs Plastic
	Cable Entries	2/3/4
Specifications	Product Measure(Mm)	450(H)×185(Φ)
	Applications	Aerial
	Fiber Additional Attenuation	≤0.01db
	Fiber Bending Radius	≥40mm
	Crush Resistance	≥2000n/10cm
Max Fiber Count Capacity	72	



Type	Wlj (Use For Air-blowing Cable)	
Characteristics	Material	Pc
	Cable Entries	4
Specifications	Product Measure(Mm)	360(L)×165(W)×70(H)
	Applications	Aerial/buried/duct
	Fiber Additional Attenuation	≤0.01db
	Fiber Bending Radius	≥40mm
	Retaining Fiber Length	≥1.6m
Crush Resistance	≥2000n/10cm	
Max Fiber Count Capacity	64	



Type	Llj (Use For Under Road Or Cloaca Joint)	
Characteristics	Material	Stainless Steel
	Cable Entries	4
Specifications	Product Measure(Mm)	204(Φ)×80(H)
	Applications	Buried/duct
	Fiber Additional Attenuation	≤0.01db
	Fiber Bending Radius	≥40mm
	Retaining Fiber Length	≥1.6m
Crush Resistance	50kn	
Max Fiber Count Capacity	144	





Type	Gpj-jh48 (Use For Submarine Cable)	
Characteristics	Material	Sepcial Material
	Cable Entries	2
Specifications	Product Measure(Mm)	1700(L)×165(Φ)
	Applications	Submarine
	Fiber Additional Attenuation	≤0.01db
	Fiber Bending Radius	≥37.5mm
	Net Weight(Kg)	45
Retaining Fiber Length	≥1m	
Max Fiber Count Capacity	48	

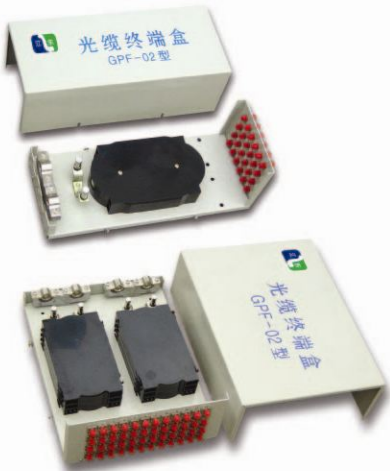
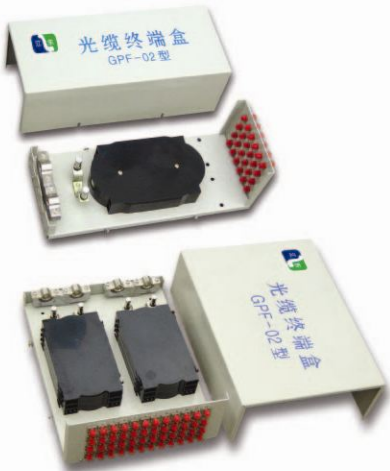


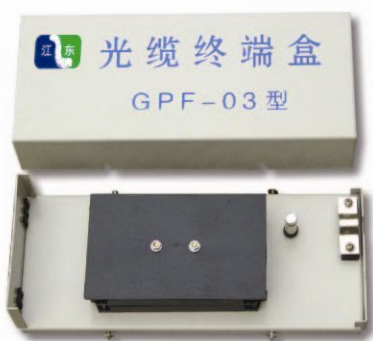
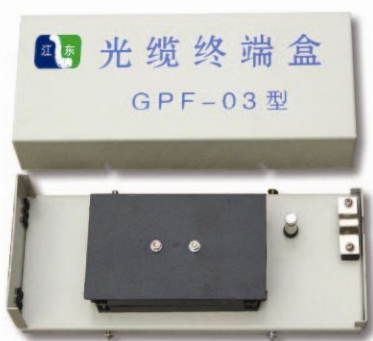
Type	Gpj-ja48 (Joint Submarine Cable With Ground Cable)	
Characteristics	Material	Stainless Steel
	Cable Entries	2
Specifications	Product Measure(Mm)	540(L)×108(Φ)
	Applications	Submarine/buried
	Fiber Additional Attenuation	≤0.01db
	Fiber Bending Radius	≥37.5mm
	Net Weight(Kg)	23
Retaining Fiber Length	≥1.6m	
Max Fiber Count Capacity	48	



## Terminal and Distribution Box Technical Specification

	Type	Gpf	
	Characteristics	Material	Cold-rolled Steel Plate
	Applications		Cable Distribution And Termination, Joint With Pigtail
	Specifications	Max Fiber Count Capacity	72
		Fiber Additional Attenuation	≤0.01db
		Cable Entries	2
		Net Weight	2.4kg
		Gross Weight	2.5kg
		Retaining Fiber Length	≥1.6m
		Crush Resistance	≥2000n/10cm
		Product Measure(Mm)	330(L)×140(W)×65(H)
		Package Measure(Mm)	360(L)×165(W)×97(H)

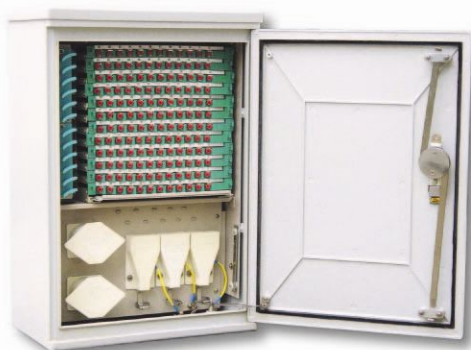
	Type	Gpf-02	
	Characteristics	Material	Cold-rolled Steel Plate
	Applications		Joint The Cable With Pigtail And Patch Cord
	Specifications	Max Fiber Count Capacity	24/48
		Fiber Additional Attenuation	≤0.01db
		Cable Entries	2
		Retaining Fiber Length	≥1.6m
		Crush Resistance	≥200n
		Product Measure(Mm)	24 Fiber:345(L)×140(W)×110(H) 48 Fiber:350(L)×270(W)×110(H)

	Type	Gpf-03	
	Characteristics	Material	Cold-rolled Steel Plate
	Applications		Joint The Cable With Pigtail
	Specifications	Max Fiber Count Capacity	12
		Fiber Additional Attenuation	≤0.01db
		Retaining Fiber Length	≥1.6m
		Crush Resistance	≥200n
		Product Measure(Mm)	270(L)×120(W)×55(H)

## Terminal and Distribution Box Technical Specification



Type	Gpf-01	
Characteristics	Material	Aluminum Plate
	Applications	Cable Termination, joint With Patch Cord
Specifications	Installation	Wall Mounting
	Standard Fiber Count Capacity	48
	Fiber Additional Attenuation	≤0.01db
	Cable Entries	2
	Net Weight	6.5kg
	Gross Weight	7kg
	Longevity	≥1000times
	Insulating Resistance Between The Metal Parts Of The Body And Grounding Fitting	≥2×10 <sup>4</sup> m Ω @500v(Dc)
	Product Measure(Mm)	120(H)×300(W)×340(D)
	Package Measure(Mm)	140(H)×320(W)×350(D)



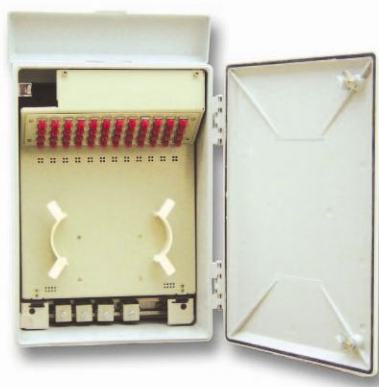
Type	Gyx	
Characteristics	Material	Special Multriple Material
	Anti Stealing Lock And Door	
Specifications	Water Proof Standard	Gb4208 Ip65
	Applications	Cable Termination, joint With Patch Cord
	Installation	Outdoor
	Standard Fiber Count Capacity	144
	Fiber Additional Attenuation	≤0.5db
	Longevity	≥1000 Times
	Insulating Resistance Between The Metal Parth Of The Body And Grounding Fitting	≥2×10 <sup>4</sup> m Ω @500v(Dc)
	Operation Environment	Temperature:-45℃~+85℃ Barometric Pressure:70kpa~106kpa
	Voltage Resistance	≥3000v(Dc)
	Product Measure(Mm)	144fiber:700(H)×480(W)×300(D) 288fiber:1430(H)×750(W)×320(D)




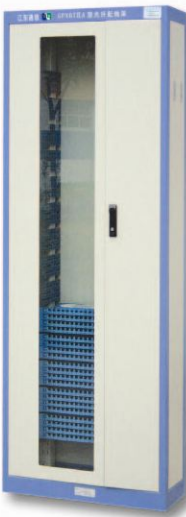
Type	Gyx-01	
Characteristics	Material	Electrolytic Plate
	Applications	Cable Termination, joint With Patch Cord
Specifications	Installation	Calbe Enter From Front
	Installation	Outdoor
	Standard Fiber Count Capacity	288
	Longevity	≥1000 Times
	Insulating Resistance Between The Metal Parth Of The Body And Grounding Fitting	≥2×10 <sup>4</sup> m Ω @500v(Dc)
	Operation Environment	Temperature:-45℃~+85℃ Barometric Pressure:70kpa~106kpa
	Voltage Resistance	≥3000v (Dc)
	Product Measure(Mm)	750(L)×320(W)×1430(H)



## Terminal and Distribution Box Technical Specification

	Type	Gpf-04	
	Characteristics	Material	Special Multiple Material
	Specifications	Applications	Cable Termination Or Distribution
		Installation	Outdoor Use
	Standard Fiber Count Capacity	24/48	
	Longevity	≥1000times	
	Insulating Resistance Between The Metal Parts Of The Body And Grounding Fitting	≥2×10 <sup>4</sup> m Ω @500v(Dc)	
	Operation Environmetn	Temperature:-40℃~+60℃	
		Barometric Pressure:70kpa~106kpa	
	Voltage Resistance	≥3000v(Dc)	
	Product Measure(Mm)	24fiber:450(L)×330(W)×190(H)	
		48fiber:450(L)×450(W)×330(H)	

	Type	Gpxa (Use Together With 19"gpX)	
	Characteristics	Material	Eletrolytic Plate
	Specifications	Applications	Cable Termination, Joint With Patch Cord
		Cable	Normal Cable Or Ribbon Cable
	Easy To Deal With,fast Intallation		
	Longevity	≥1000times	
	Fiber Bending Radius	≥40mm	
	Insulating Resistance Between The Metal Parts Of The Body And Grounding Fitting	24/48/72	
		≥2*10 <sup>4</sup> m Ω @500v(Dc)	
	Product Measure(Mm)	24fiber:160(H)×410(L)×390(W)	
		48fiber:200(H)×410(L)×390(W)	
		72fiber:225(H)×410(L)×390(W)	
Operation Environment	Temperature:-5℃~+40℃		
Voltage Resistance	Barometric Pressure:70kpa~106kpa		
	≥3000v(Dc)		

	Type	Gpxa (19",without Splice Plate Inside)	
	Characteristics	Material	Electrolytic Plate
	Specifications	Applications	Cable Termination, Joint With Patch Cord
		Installation	Cable Enter From Front
	Longevity	≥1000times	
	Insulation Resistance Between The Metal Parts Of The Body And Grounding Fitting	≥1000m Ω @500v(Dc)	
	Product Measure(Mm)	2200(H)×800(W)×300(D)	
	Operation Environment	Temperature:-5℃~+40℃	
		Barometric Pressure:70kpa~106kpa	
	Voltage Resistance	≥3000v(Dc)	



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