

Fiber Optic Cable & Overhead Conductor Catalog

Catalog CT-33 · 2026 Edition

ADSS and OPGW, ACSR and AAAC conductor, air-blown micro cable, FTTH drop, and duct, buried, figure-8 and underwater fiber cable.
Plus OPGW line hardware · Ships from Oxnard, CA

CT-33

Power cable · OPGW · Conductor · Air-blown · FTTH drop · Duct & buried · Hardware
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This catalog covers fiber optic cable and overhead conductor for utility transmission and distribution, telecom backbone and access networks, and building cabling. Each page gives the cable description, application, characteristics, applicable standards and typical design data. Contact us for lengths, fiber counts and project quotes.

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Fiber & Loose Tube Color Codes

Fiber series used in our cables, and fiber / loose tube color sequence per TIA-598.

Main Optical fiber series used in Fiber optic cables

- Ala-50/125μm
- Alb-62.5/125μm
- OM3
- B1.3-G.652D B1.3-G.652D Single mode optical fiber
- B4-G.655
- B6-G.657

The optical fiber chromatography in the loose tube or the cable is arranged according to the national standard and meets the requirements of the standard TIA-598

Optical fiber international standard chromatography color sequence

	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Orange	Green	Brown	Gray	White	Red	Blue	Yellow	Violet	Pink	Aqua

Chromatography can be customized according to customer requirements, but must be clearly described in the order

Loose Tube chromatography Instruction

The optical fiber chromatography in the loose tube or the cable is arranged according to the national standard and meets the requirements of the standard TIA-598

Optical fiber international standard chromatography color sequence

	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Orange	Green	Brown	Gray	White	Red	Blue	Yellow	Violet	Pink	Aqua

All-Dielectric Self-Supporting Aerial Cable

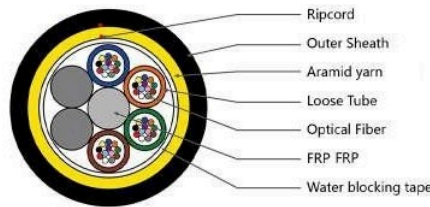
Model: ADSS

Description

Mini Span ADSS fiber optic cables are installed in distribution and transmission environments. No supporting messenger wires are required and the all-dielectric structure can be installed along with the transmission lines.

Application

Self-support Aerial installation



Characteristic

1. Suitable for use on distribution and high voltage transmission lines with mini spans or self supporting
2. Track -Resistant outer jacket available for the high voltage line where space potentials up to 35kv
3. Gel-Filled buffer tubes are S-Z stranded
4. Aramid yarn replaces messenger wire, has a full dielectric structure and has higher tensile strength. It is usually used in lines with a span of about 100 meters
5. The fiber counts from 6-288 fibers

Standards

Comply with standard IEEE 1222-20 04 as well as IEC 60794-1

Technical parameters

Fiber Count	Span(Meter)	Diameter(MM)	MAT(KN)	Ice cover(MM) 覆冰	Wind speed(M/S)
6-72fibers	100	9.0-10.5	1.8	0	25
96fibers	100	11.0	1.8	0	25

All-Dielectric Self-Supporting Aerial Cable (continued)

Model: ADSS

Description

Aramid yarn is used as the strength member to assure the tensile and strain performance. Mainly installed at existing 35kV power lines .
Two Jacket and stranded loose tube design.
ADSS

Application

Self support Aerial installation



Characteristic

1. Suitable for use on distribution and high voltage transmission lines with mini spans or self supporting
2. Track -Resistant outer jacket available for the high voltage line where space potentials up to 35kv
3. Gel-Filled buffer tubes are S-Z stranded
4. Aramid yarn replaces messenger wire, has a full dielectric structure and has higher tensile strength. It is usually used in lines with a span up to 1500 meters
5. The fiber counts from 6-288 fibers

Standards

Comply with standard IEEE 1222-20 04 as well as IEC 60794-1

Technical parameters

Fiber Count	Span(Meter)	Diameter(MM)	MAT(KN)	Ice cover(MM)	Wind speed(M/S)
6-72fibers	200	12.2	3.77	0	25
6-72fibers	300	12.3	5.33	0	25
6-72fibers	400	12.5	7.06	0	25
6-72fibers	500	12.9	9.02	0	25
6-72fibers	600	13.0	10.5	0	25
6-72fibers	700	13.2	11.97	0	25
6-72fibers	800	13.4	13.94	0	25
6-72fibers	900	13.5	15.41	0	25
6-72fibers	1000	13.7	17.37	0	25
6-72fibers	1500	15.5	25.8	0	25

Central Stainless Steel Tube OPGW

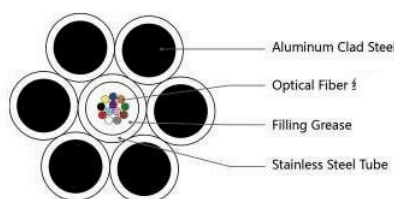
Model: OPGW

Description

The central stainless steel tube is surrounded by single or double layers of aluminum clad steel wires(ACS) or mix ACS wires and aluminum alloy wires. are the most widely used cables ,their design is fully adapted to the most common electric line needs.

Application

Self-support Aerial installation



Characteristic

1. High quality standards for designing, testing and producing with grade A materials available to ensure long-term reliability
2. Engineering support supervising and providing its own line of accessories hardware
3. Seal stainless steel tube superior protection to the fiber optical to moisture and extreme environmental conditions such as lightening
4. To construct OPGW must cut power, resulting in greater loss, thus OPGW must be used in constructing high pressure line over 110kv

Standards

ITU-TG.652	Characteristics of a single mode optical fiber
ITU-TG.655	Characteristics of a non-zero dispersion -shifted single mode fibers opti
EIA/TIA598 B	Col code of fiber optic cables
IEC 60794-4-10	Aerial optical cables along electrical power lines-family specification for OPGW
IEC 60794-1-2	Optical fiber cables-part test procedures
IEEE 1138-2009	IEEE Standard for testing and performance for optical ground wire for use on electric utility power lines
IEC 61232	Aluminum-Clad stel wire for electrical purposes
IEC 60104	Aluminum magnesium silicon alloy wire for overhead line conductors
IEC 61089	Round wire concentric lay overhead electrical stranded conductors

Typical design for Single Layer

Specification	Fiber Count	Diameter (mm)	Weight (kg/km)	RTS(KN)	Short Circuit (KA2s)
OPGW-50(58;12)	12	9.6	344	58	12
OPGW-75(86.7;30.5)	24	12.0	527	86.7	30.5
OPGW-70(81.5.6;25.2)	48	11.4	480	81.5	25.2

Central AL-Covered Stainless Steel Tube OPGW

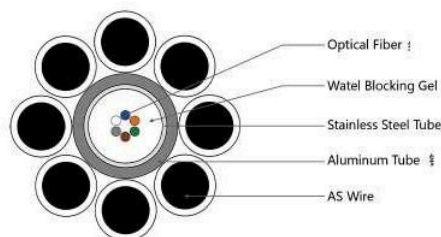
Model: OPGW

Description

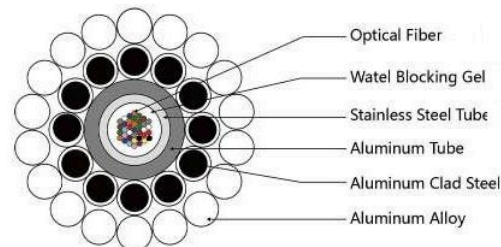
The central Al-covered steel tube is surrounded by single or double layers of aluminum clad steel wires(ACS) or mix ACS wires and aluminum alloy wires. Al-covered Stainless Steel tube design increases the cross section of AL, to reach a better fault current and lightning resistance performance. Apply to the transmission line which requires small diameter and large fault current

Application

Self support Aerial installation



Specification	Fiber Count	Diameter(mm)	Weight (kg/km)	RTS(KN)	Short Circuit(KA2s)
OPGW-109(60.8;104.5)	12	13.9	468	60.8	104.5
OPGW-88(76.4;55.3)	24	12.6	498	76.4	55.3
OPGW-145(125.0;124)	48	15.5	816	125	124



Typical Design for Double Layer :

Specification	Fiber Count	Diameter(mm)	Weight (kg/km)	RTS(KN)	Short Circuit (KA2s)
OPGW-163(90.2;255)	48	16.8	663	90.2	255

Aluminum Tube OPGW

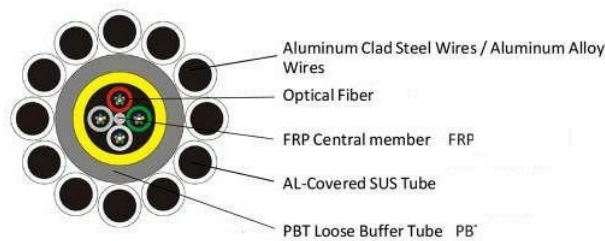
Model: OPGW

Description

The Aluminum tube is surrounded by single or double layers of aluminum clad steel wires(ACS) or mix ACS wires and aluminum alloy wires. Good anti-corrosion performance. Material and structure are uniform, good resistance to vibration fatigue

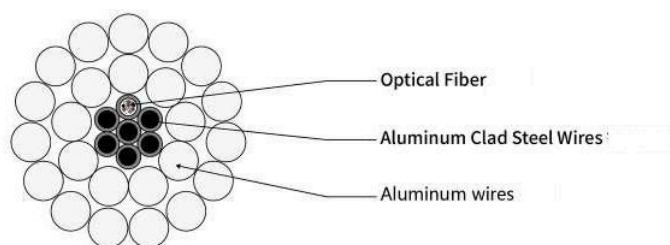
Application

Self-support Aerial installation



Typical Design

Specification	Fiber Count	Diameter(mm)	Weight (kg/km)	RTS(KN)	Short Circuit(KA2s)
OPGW-150(131.2;151.7)	24	16.1	861	131.2	151.7
OPGW-115(79;118.6)	48	14.8	560.2	79	118.6
OPGW-120(106.9;99.8)	36	15	686	106.9	99.8



Typical Design for Double Layer

Specification	Fiber Count	Diameter(mm)	Weight (kg/km)	RTS(KN)	Short Circuit (KA2s)
OPGW-178(88;75.8)	48	13.4	531	88	75.8
OPGW-178(110.4;299.1)	24	17.6	837	110.4	299.1
OPGW-347(366.9;687.7)	48	24.7	2156	366.9	687.7
OPGW-282(358.7;372.1)	96	22.5	1938	358.7	372.1

Aluminum Conductor Steel Reinforced

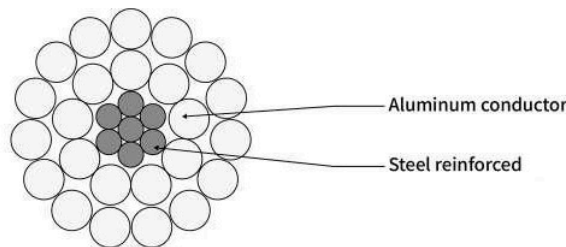
Model: ACSR

Description

ACSR has simple structure, convenient installation and maintenance, low budget cost, large transmission capacity, and is conducive to the laying of special geographical conditions such as crossing rivers and valleys. It has good electrical conductivity and sufficient mechanical strength, high tensile strength etc. Therefore, it is widely used in overhead transmission and distribution lines of various voltage levels

Application

Suitable for transmission lines of different voltage levels. It can also be laid in rivers, canyons and places with special geographical features



Characteristic

1. Simple structure, easy installation and maintenance, low line cost, large transmission capacity
2. Excellent conductivity
3. The cable an overall high tensile strength

Standards

BS 215-2	The Standard for Steel cored aluminium conductors for overhead power transmission purposes
BS EN 50182	Conductors for overhead lines
IEC 61089	Round wire concentric lay overhead electrical stranded conductors
ASTM B 232 ASTM B 232M	Standard Aluminum Conductor Steel reinforced Standard Aluminum Conductor Steel reinforced
DIN 48204	Steel reinforced aluminium stranded conductors
JIS C 3110	Aluminum Conductor Steel reinforced
GOST839-80	Aluminium Conductors Steel Reinforced

Aluminum Conductor Steel Reinforced (continued)

Model: ACSR

Typical Design

ACSR Conductors ASTM B232 / B232M

Code	Stranding		Stranding			Overall Diameter	Weight	Breakign Load	Electrical Resistance @at 20 °C	Current Rating*
	AL	Steel	AL	Steel	Total					
	No.xmm	No.xmm	mm2	mm2	mm2					
Penguin	107.22	17.87	6/4.77	1/4.77	14.31	125.09	432.7	35.36	0.2667	275
Linnet	170.55	27.83	26/2.89	7/2.25	18.31	198.38	687.5	59.16	0.1693	365
Pelican	242.31	13.46	18/4.14	1/4.14	20.7	255.77	769.7	51.15	0.1186	448
Flicker	241.58	31.4	24/3.58	7/2.39	21.49	272.98	913.5	72.06	0.1195	450
Hawk	241.65	39.19	26/3.44	7/2.67	21.77	280.84	975.1	81.84	0.1195	451
Gull	241.65	39.19	26/3.44	7/2.67	21.77	280.84	975.1	81.84	0.1195	451
Hawk	241.65	39.19	26/3.44	7/2.67	21.77	280.84	975.1	81.84	0.1195	451
Hawk	241.65	39.19	26/3.44	7/2.67	21.77	280.84	975.1	81.84	0.1195	451

ACSR Type Aluminium Conductors Steel Reinforced(GOST 839)

Aluminum Section/Steel Core Section	Number of Aluminum Wires	Aluminum Wire Diameter	Number of Steel Wires	Steel Wire Diameter	Calculated Cross-section	Overall Diameter	DC Resistance at 20	Min. Breaking Load	Conductor Weight
mm2		mm		mm	mm2	mm	Ω/km	N	kg/km
70/72	18	2,20	19	2,20	68,4/72,2	15,4	0,4194	96826	755,0
95/16	6	4,50	1	4,50	95,4/15,9	13,5	0,3007	33369	385,0
95/141	24	2,20	37	2,20	91,2/141	19,8	0,3146	180775	1357,0
120/19	26	2,40	7	1,85	118/18,8	15,2	0,2440	41521	471,0
120/27	30	2,20	7	2,20	114/26,6	15,4	0,2531	49465	528,0
120/19	26	2,40	7	1,85	118/18,8	15,2	0,2440	41521	471,0
120/27	30	2,20	7	2,20	114/26,6	15,4	0,2531	49465	528,0

Aluminum Conductor Steel Reinforced (continued)

Model: ACSR

Typical Design

ACSR conductors BS 215-2 BS EN 50182

Code	Stranding		Stranding			Overall Diameter	Weight	Breakign Load	Electrical Resistance @at 20 °C	Current Rating*
	AL	Steel	AL	Steel	Total					
	No.xmm	No.xmm	mm2	mm2	mm2					
Penguin	107.22	17.87	6/4.77	1/4.77	14.31	125.09	432.7	35.36	0.2667	275
Linnet	170.55	27.83	26/2.89	7/2.25	18.31	198.38	687.5	59.16	0.1693	365
Pelican	242.31	13.46	18/4.14	1/4.14	20.7	255.77	769.7	51.15	0.1186	448
Flicker	241.58	31.4	24/3.58	7/2.39	21.49	272.98	913.5	72.06	0.1195	450
Hawk	241.65	39.19	26/3.44	7/2.67	21.77	280.84	975.1	81.84	0.1195	451
Gull	241.65	39.19	26/3.44	7/2.67	21.77	280.84	975.1	81.84	0.1195	451
Hawk	241.65	39.19	26/3.44	7/2.67	21.77	280.84	975.1	81.84	0.1195	451
Hawk	241.65	39.19	26/3.44	7/2.67	21.77	280.84	975.1	81.84	0.1195	451

ACSR Conductors JIS C 3110

Aluminum Section/Steel Core Section	Number of Aluminum Wires	Aluminum Wire Diameter	Number of Steel Wires	Steel Wire Diameter	Calculated Cross-section	Overall Diameter	DC Resistance at 20	Min. Breaking Load	Conductor Weight
mm2		mm		mm	mm2	mm	Ω/km	N	kg/km
70/72	18	2,20	19	2,20	68,4/72,2	15,4	0,4194	96826	755,0
95/16	6	4,50	1	4,50	95,4/15,9	13,5	0,3007	33369	385,0
95/141	24	2,20	37	2,20	91,2/141	19,8	0,3146	180775	1357,0
120/19	26	2,40	7	1,85	118/18,8	15,2	0,2440	41521	471,0
120/27	30	2,20	7	2,20	114/26,6	15,4	0,2531	49465	528,0
120/19	26	2,40	7	1,85	118/18,8	15,2	0,2440	41521	471,0
120/27	30	2,20	7	2,20	114/26,6	15,4	0,2531	49465	528,0

All Aluminum Alloy Conductors

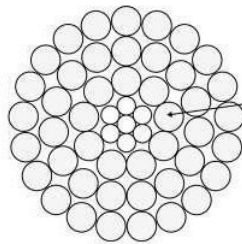
Model: AAAC

Description

Aluminium Alloy Conductors (AAAC): made out of high strength Aluminium-Magnesium-Silicon alloy. As compared to conventional ACSR, AAAC are of lighter weight, comparable strength & current carrying capacity, lower electrical losses and superior corrosion resistance, This has given AAAC a wide acceptance in the distribution and transmission lines.

Application

All-aluminum alloy conductor (AAAC) cables are mainly used as overhead transmission cables and primary and secondary distribution cables. It is suitable for laying in basins, rivers and canyons with special geographical characteristics.



All Aluminum conductor

Characteristic

1. High strength to weight ratio
2. Bettersag characteristics
3. Improved electrical properties
4. Excellent resistance to corrosion

Typical Design

Code Name	Total Area		1350 Grade Equivalent(Aprox)	Stranding	Conductor Nominal diameter	Nominal weight	Rated strength	Maximum DC resistance at 20 °C
	AWG or MCM	MM ²	AWG or MCM	Nº/ MM	MM	KG/KM	Kn	Ω /KM
Flint	740.8	374.5	636	37*3.59	25.13	1028	107.36	0.0894
Greeley	927.2	469.6	795	37*4.02	28.14	1289	134.62	0.0713

Self-Supporting Single-Tube Aerial Cable

Model: ASU

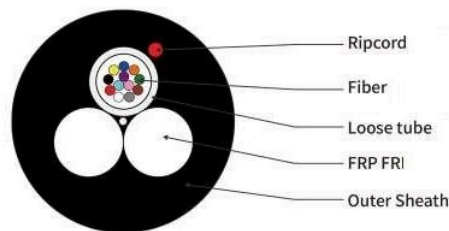
Description

The structure of the ASU optical cable is to put a 250μm colored optical fiber into a PBT loose tube, with two FRP pieces as reinforcements, and the surface of the optical cable is an extruded PE outer sheath.

ASU

Application

Aerial/ Duct



Characteristic

1. Small size and lightweight, save shipping costs
2. Two FRPs as strength members to provide good tensile performance
3. Gel Filled, good waterproof performance
4. Excellent ultraviolet prevention with PE sheath, small diameter, lightweight and installation friendliness PE
5. Low replacement cost, easy to save budget

Standards

Comply with standard IEEE 1222-2004 as well as IEC 60794-1

Technical parameters

Cable Type (Increased by 218ers)	Fiber Count	Cable Weight kg/km	Cable Diameter mm	Tensile Strength Long/Short Term N	Crush Resistance Long/Short Term N/100mm	Bending Radius
ASU-80m-6F	2~24	40	6.2	500/1000	300/1000	10D/20D
ASU-100m-12F	2~24	45	6.6	500/1200	300/1000	10D/20D
ASU-120m-24F	2~24	65	8.0	600/1500	300/1000	10D/20D

Micro Duct Air-Blowing Fiber Optic Cable

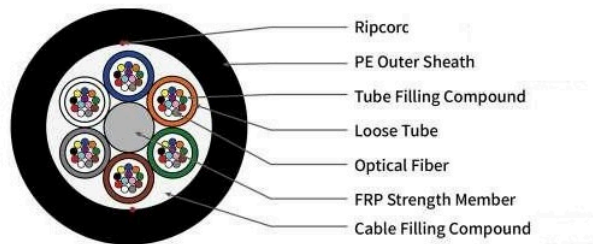
Model: GCYFTY

Description

Micro air blown fiber optic cable is mainly used in access network and metropolitan area network. By air blowing installation technology, without excavation surface in tiny pipe installation, also can be installed in the existing cable pipe, save pipeline resources, meet the real time capacity of the network. We provide the micro optical cable technology reduce the early stages of the fiber optic cable construction cost, increase investment according to the demand of the network, to speed up the return on investment, is a good solution of FTTH.

Application

Duct



Characteristic

1. Micro module optical fibers and jelly inside
2. Easy to strip the micro module by ripcord
3. Optional: Aramid yarns and water-blocking yarns
4. Smooth outer sheath reduces friction and eases installation

Standards

Comply with standard IEC 60794-1

Technical Parameters

Cable Type	Fiber Count	Cable Diameter MM	Cable Weight KG/KM	Tensile Strength Long/Short Term N	Crush Resistance Long/Short Term N/100MM	Bending Radius Static/Dynamic MM
GCYFTY-2~72B1.3	2~72	5.6	26	200/550	100/450	10D/20D
GCYFTY -96B1.3	96	6.4	46	200/550	100/450	10D/20D
GCYFTY -144B1.3	144	7.8	48	200/550	100/450	10D/20D
GCYFTY- 288B1.3	288	10	85	200/550	100/450	10D/20D

Micro Duct Uni-Tube Air-Blowing Fiber Optic Cable

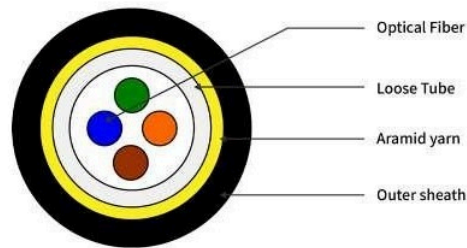
Model: GCYFXTY

Description

Optical fibres are housed in a loose tube that is made of thermoplastic PBT material with superior performance and filled with tube filling compound. Aramid yarns are placed outside the loose tube as the strength member, then a sheath with Nylon.

Application

Duct



Characteristic

1. Smooth sheath reduces friction ensuring good air blowing performance
2. Simple structure, easy to strip.
3. Small cable diameter, high flexibility and low cost.
4. Aramid yarn increases tensile strength and is easy to handle.
5. The uniform thickness of the sheath makes it difficult to break when installed at right angles of complex street ducts.

Standards

Comply with standard IEC 60794-1

Technical parameters

Cable Type	Cable Diameter(MM)	Weight (KG/KM)	Tensile Strength		Crush Resistance		Bending Radius	
			Long/Short Term N		Long/Short Term N/100MM		Static/Dynamic MM	
GCYFXTY-2B1.3	3.0	8	60	30	300	450	10D	20D
GCYFXTY-4B1.3	3.0	8	60	30	300	450	10D	20D
GCYFXTY-6B1.3	3.0	8	60	30	300	450	10D	20D
GCYFXTY-8B1.3	3.0	8	60	30	300	450	10D	20D
GCYFXTY-12B1.3	3.0	8	60	30	300	450	10D	20D
GCYFXTY-24B1.3	3.2	8.5	60	30	300	450	10D	20D

Micro Duct Air-Blowing Fiber Unit

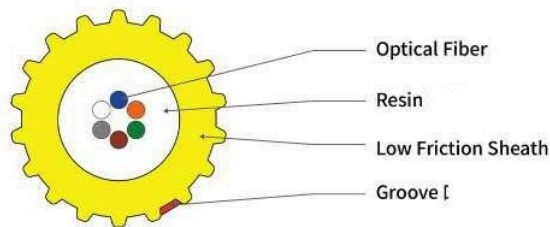
Model: EPFU

Description

Enhanced Performance Fiber Unit (EPFU) is a high-performance air-blown optical fiber bundle formed by curing optical fibers or fillers into photosensitive resin in a certain arrangement, and then extruding a special low-friction sheath. EPFU

Application

Duct



Characteristic

1. Designed with special grooves to advance blowing distance
2. Light weight and proper stiffness, repeat installation
3. Designed with no gel, easy stripping and handling.
4. Better costs advantage compared to traditional product.
5. Complete accessories, less manpower, lower installation time.

Standards

Comply with standard IEC 60794-1

Technical Parameters

Cable Type	Cable Diameter(mm)	Weight (kg/km)	Tensile Strength	Crush Resistance	Bending Radius	
			Short Term N	Short Term N/100mm	Static/Dynamic mm	
EPFU-2B1.3	1.13	1	5	100	10D	20D
EPFU-2B1.3	1.18	1	5	100	10D	20D
EPFU-4B1.3	1.18	1	5	100	10D	20D
EPFU-6B1.3	1.35	1.3	5	100	10D	20D
EPFU-8B1.3	1.55	1.8	5	100	10D	20D
EPFU-12B1.3	1.65	2.2	5	100	10D	20D

Super Mini Micro Duct Air-Blowing Fiber Unit

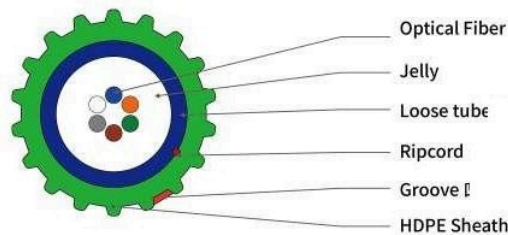
Model: SFU

Description

Optical fibres are housed in a loose tube that is made of high-modulus plastic and filled with tube filling compound. Aramid yarns are placed outside the loose tube as the strength member, then a sheath with grooves is extruded. This type of cable is particularly applicable to air-blowing constructions in access networks.

Application

Duct



Characteristic

1. Small size and light weight
2. Tube filling compound providing key protection for fibers
3. Unique design of sheath with grooves ensuring good air blowing performance
4. Allowing to blow by phase to reduce initial investment
5. Allowing to cut micro ducts anywhere anytime for branch without influences on other cables, saving manholes, and cable joints

Standards

Comply with standard IEC 60794-1

Technical parameters

Cable Type	Cable Diameter(MM)	Weight (KG/KM)	Tensile Strength		Crush Resistance		Bending Radius	
			Long/Short Term N		Long/Short Term N/100MM		Static/Dynamic MM	
SFU-2B1.3	2.3	4	60	30	100	450	10D	20D
SFU-4B1.3	2.3	4	60	30	100	450	10D	20D
SFU-6B1.3	2.3	4	60	30	100	450	10D	20D
SFU-8B1.3	2.3	4	60	30	100	450	10D	20D
SFU-12B1.3	2.3	4	60	30	100	450	10D	20D
SFU-24B1.3	2.3	6.5	60	30	100	450	10D	20D

Anti-Rodent Fiber Optic Cable

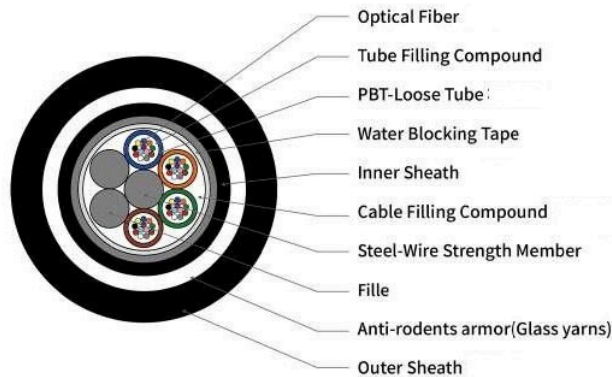
Model: GYFHTH68

Description

It is a layer-twisted anti-rodent optical cable with lszh inner sheath,surrounded by glass yarns,and lszh outer sheath.

Application

Duct /Aerial



Characteristic

- 1.The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance
- 2.Utilize the sharpness of the glass gauze after being bitten into pieces, and prick the mouse's throat to achieve the anti-rat effect
- 3.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
- 4.Suitable hydrogen absorbing compound

Standards

Comply with standard IEEE 1222-20 04 as well as IEC 60794-1

Technical Parameters

Cable Type	Cable Diameter(mm)		MAT(N)	Bending Radius	
				Static/Dynamic mm	
GYFHTH68-24	11.4±0.5	143	2700	15D	20D

Anti-Rodent Fiber Optic Cable

Model: GYFTY83

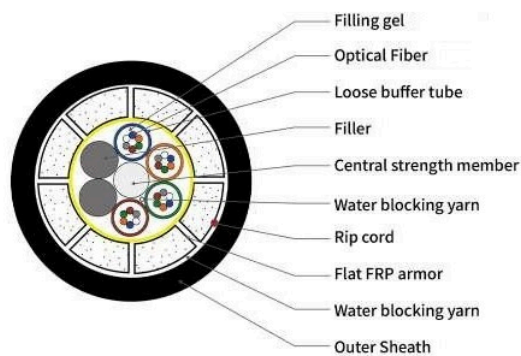
Description

GYFTY83 is designed with physical and chemical anti-rodent methods. Single-mode/multimode fibres are housed in loose tubes that are made of high-modulus plastic. The tubes are stranded around a central strength member to form a cable core. The core is filled with cable filling compound. Then an inner PE sheath is extruded and armored with flat FRP. Finally, an anti-rodent PE middle sheath and a PE outer sheath is extruded.

GYFTY83

Application

Aerial/ Duct



Characteristic

1. Excellent mechanical and temperature performance guaranteed by the accurate excess fiber length.
2. The material of loose tubes with good hydrolysis resistance and relatively high strength
3. Tube filling compound providing key protection for fibres
4. Combination of physical and chemical anti-rodent methods
5. Flat FRP armor providing the physical anti-rodent performance
6. Applicable to aerial and duct installations with anti-rodent and anti-lightning requirements

Standards

Comply with standard IEEE 1222-20 04 as well as IEC 60794-1

Technical parameters

Cable Type	Fiber Count	Cable Diameter mm	Cable Weight kg/km	Tensile Strength		Crush Resistance		Bending Radius
				Long/Short Term N		Long/Short Term N/100mm		Static/Dynamic mm
GYFTY83	48	13.6	155	3000	5000	500	1000	12.5D/25D

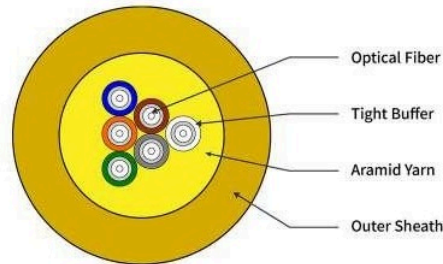
Tactical Fiber Optic Cable

Description

The Simplex cable uses single 900μm tight buffered fiber as fiber optic transmission medium, covered with aramid yarn as strength member, then extruded with TPU sheath.

Application

1. Military communication system
2. Coal, oil, natural gas, geological exploration
Broadcast television, temporary communication



Characteristic

- 1..Flexibility ,easy to storage and operation
2. TPU sheath provide wear resistant, oil resistant, low temperature flexibility
TPU
3. Aramid yarn strength with stable tension,high tensile and high pressure
4. Cable soft, good toughness, installation, maintenance convenient

Technical Parameters

Fiber counts	Cable diameter (MM)	Tensile strength(N)		Crush Resistance(N/100mm)		Minimum bending radius (MM)	
		Short-term	Long-term	Short-term	Long-term	Static	Dynamic
2~12	5.0	600	400	200	300	60	30

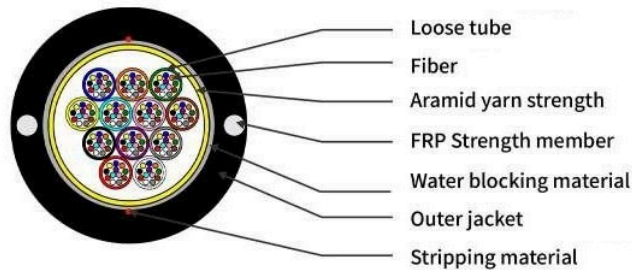
Micro-Module Optical Fiber Cable

Description

Micromodule Fibre Optic Cable has a unique extruding technology providing the fibres in the tube with good flexibility and bending endurance. The unique fibre excess length control method provides the cable with excellent mechanical and environmental properties. Multiple water blocking material filling provides dual water blocking function.

Application

Self-support Aerial installation and duct



Characteristic

1. Self-support Aerial installation and duct
2. The tube with good flexibility and bending endurance
3. The fiber counts from 12-288 fibers

Technical parameters

Fiber counts	Cable diameter	Weight(KG/KM)	Tensile load(N)
12	6.5	32	800N
24	8.8	50	1200N
48	10.5	77	2000N
72	11.5	95	2200N
96	11.5	95	2200N
144	12.5	105	2200N

FTTH Bow-Type Drop Cable

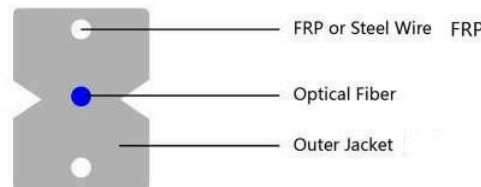
Model: GJXH / GJXFH

Description

The typical bow-type drop optical cable includes central optical fibers with 2 parallel KFRP or steel wire as the strength members placed on both sides, a LSZH or PVC sheath is extruded outside.

Application

1. High performance optical network operating
2. High speed optical routes in buildings (FTTX)



Characteristic

1. Simple structure, light weight, high tensile strength
2. Novel groove design, easily strip and splice, simplified installation and maintenance
3. Low smoke, zero halogen and flame retardant sheath, environment-friendly, good safety

Standards

Comply with standard YD/T 1997-2009.

Technical Parameters

Cable Type	Cable Diameter(MM)	Tensile Strength		Crush Resistance		Bending Radius	
		Long/Short Term N		Long/Short Term N/100MM		Static/Dynamic MM	
GJXFH-1	2.0*3.0	30	60	300	1000	10D	20D
GJXFH-2	2.0*3.0	30	60	300	1000	10D	20D
GJXFH-4	2.0*3.0	30	60	300	1000	10D	20D
GJXH-1	2.0*3.0	30	60	300	1000	10D	20D
GJXH-2	2.0*3.0	30	60	300	1000	10D	20D
GJXH-4	2.0*3.0	30	60	300	1000	10D	20D

FTTH Self-Supporting Bow-Type Drop Cable

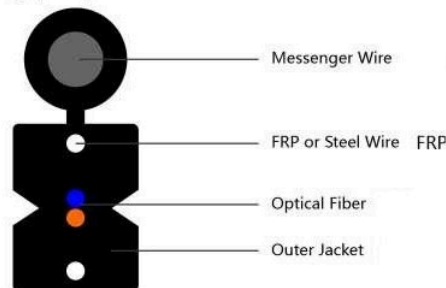
Model: GJYXFCH / GJYXCH

Description

The typical self-supporting bow-type drop fiber optic cable consists of GJXFH/GJXH cable and an additional strength member (steel wire or stranded steel wire).

Application

1. High performance optical network operating;
2. High speed optical routes in buildings (FTTX)



Characteristic

1. Simple structure, light weight, high tensile strength
2. Novel groove design, easily strip and splice, simplified installation and maintenance
3. Low smoke, zero halogen and flame retardant sheath, environment-friendly, good safety

Standards

Comply with standard YD/T 1997-2009.

Technical parameters

Cable Type	Cable Diameter(MM)	Tensile Strength		Crush Resistance		Bending Radius	
		Long/Short Term N		Long/Short Term N/100MM		Static/Dynamic MM	
GJXFH-1	2.0*3.0*5.0	100	200	300	1000	10D	20D
GJXFH-2	2.0*3.0*5.0	100	200	300	1000	10D	20D
GJXFH-4	2.0*3.0*5.0	100	200	300	1000	10D	20D
GJXH-1	2.0*3.0*5.0	100	200	300	1000	10D	20D
GJXH-2	2.0*3.0*5.0	100	200	300	1000	10D	20D
GJXH-4	2.0*3.0*5.0	100	200	300	1000	10D	20D

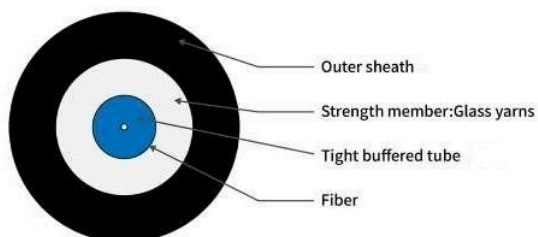
Single-Jacket Round FTTH Drop Cable

Description

The typical round drop optical cable includes tight buffer central optical fibers with glass /aramid/polyester yarn as the strength member, HDPE sheath is extruded outside.

Application

1. High performance optical network operating
2. High speed optical routes in buildings(FTTX)
3. Self-support aerial installation



Characteristic

1. Suitable for FTTH lead in cable
2. Could be self support aerial installed
3. Could be installed in the duct

Standards

Comply with standard YD/T 1997-2009.

Technical Parameters

Cable Type	Cable Diameter(mm)	Tensile Strength		Tensile Strength		Bending Radius	
		Long/Short Term N		Long/Short Term N		Static/Dynamic mm	
SRDC-1FO	3.0	200	300	300	1000	10D	20D
SRDC-2FO	3.0	200	300	300	1000	10D	20D

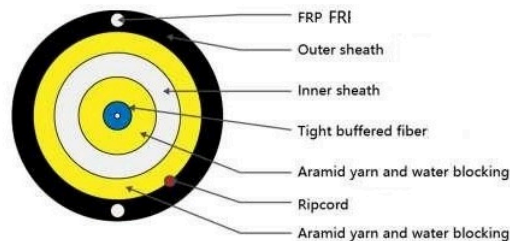
Double-Jacket Round FTTH Drop Cable

Description

The outdoor round optical cable consists of a tightly sheathed optical fiber, wrapped with polyester/aramid/glass yarns, and then extruded with a layer of sheath material, tear ropes are added to extrude the outer protective layer materials

Application

1. High performance optical network operating
2. High speed optical routes in buildings(FTTX)
3. Self-support aerial installation



Characteristic

1. Suitable for FTTH lead in cable
2. Could be self support aerial installed
3. Could be installed in the duct

Standards

Comply with stand YD/T 1258.4-2005 as well as IEC 60794-2-20/21

Technical parameters

Cable Type	Cable Diameter(mm)	Tensile Strength		Tensile Strength		Bending Radius	
		Long/Short Term N		Long/Short Term N		Static/Dynamic mm	
DRDC-1FO	5.0	400	450	300	1000	10D	20D
DRDC-2FO	5.0	400	450	300	1000	10D	20D

Indoor Multi-Purpose Distribution Fiber Optic Cable

Model: GJYXFH03

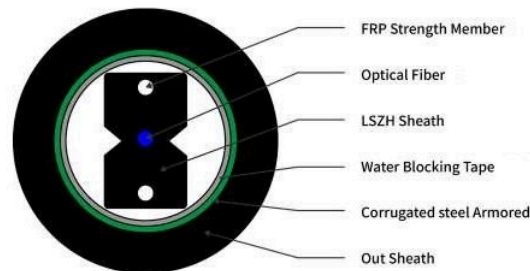
Description

The typical GJYXFH03 duct bow-type drop cable is composed of GJXFH cable in the middle and two strength members on both sides, longitudinal wrapped by steel tape and HDPE sheath.

GJYXFH03:

Application

1. Suitable for aerial and duct drop installation
2. Various indoor cabling solutions. Especially used in good laying conditions



Characteristic

1. Novel groove design, easily strip and splice, simplified installation and maintenance, higher tensile strength
2. Suitable for outdoor pipelines introduced indoors
3. Better waterproof performance and more safety

Standards

Comply with standard YD/T 1258.4-2005 as well as IEC 60794-2-20/21

Technical Parameters

Cable Type	Cable Diameter(MM)	Tensile Strength		Crush Resistance		Bending Radius	
		Long	Short Term N	Long	Short Term N/100MM	Static/Dynamic MM	
GJYXFH03-1FO	6.5	400	600	300	1000	10D	20D
GJYXFH03-2FO	6.5	400	600	300	1000	10D	20D
GJYXFH03-4FO	6.5	400	600	300	1000	10D	20D

Stranded Loose Tube Cable with Aluminum / Steel Tape

Model: GYTA / GYTS / GYFTA / GYFTS

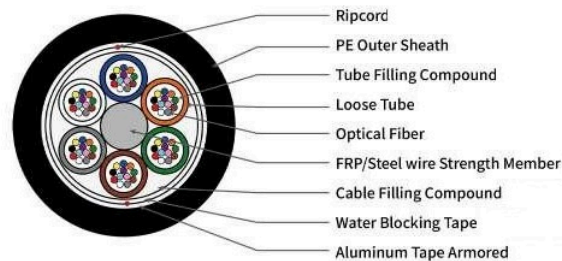
Description

In the GYTA/S GYFTA/S cable, single-mode/multimode fibers are positioned in the loose tubes, the tubes are filled with water blocking filling compound. Tubes and fillers are stranded around the strength member into a circular cable core. An APL/PSP is applied around the core. Which is filled with the filling compound to protect it. Then the cable is completed with a PE sheath.

GYTA/S GYFTA/S

Application

Duct/Aerial



Characteristic

1. The following measures are taken to ensure the water blocking performance of the cable
2. Single steel wire/FRP used as the central strength member
3. Special water-blocking filling compound in the loose tube
4. 100% cable core filling, APL/PSP moisture barrier

Standards

Comply with standard YD/T 901-2009 as well as IEC 60794-1

Technical parameters

Cable Type	Fiber Count	Cable Diameter MM	Cable Weight KG/KM	Tensile Strength		Crush Resistance		Bending Radius
				Long/Short Term N	Long/Short Term N/100MM	Static/Dynamic MM		
GYTA/S2-30	2~30	8.5	65	600	1500	300	1000	10D/20D
GYTA/S2-36	32~36	9.4	70	600	1500	300	1000	10D/20D
GYTA/S38-60	38~60	9.5	85	600	1500	300	1000	10D/20D
GYTA/S62-72	62~72	10	105	600	1500	300	1000	10D/20D
GYTA/S74-96	74~96	11.9	130	600	1500	300	1000	10D/20D
GYTA/S98-120	98~120	14.4	190	600	1500	300	1000	10D/20D
GYTA/S122-144	122~144	14.6	200	600	1500	300	1000	10D/20D
GYTA/S146-288	146~288	16.5	245	600	1500	300	1000	10D/20D

Uni-Tube Light-Armored Cable

Model: GYXTW

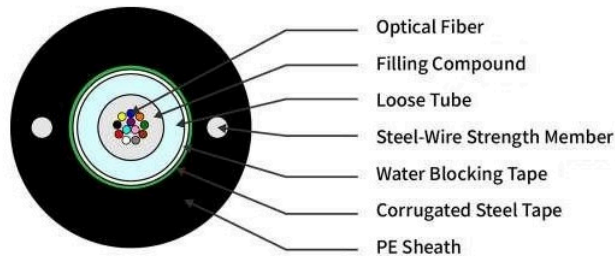
Description

In the GYXTW/GYFXTY cable, single-mode/multimode fibers are positioned in the loose tube, which is made of high modulus plastic materials and filled with filling compound. PSP is longitudinally applied around the loose tube, and water-blocking materials are distributed into interstices between them to guarantee the compactness and longitudinal water-blocking performance. Two parallel steel wires are placed at both sides of the cable core while PE sheath is extruded over it.

GYXTW/GYFXTY

Application

Aerial/ Duct



Characteristic

1. Excellent mechanical and temperature performance guaranteed by the accurate excess fiber length
2. Critical protection to fibers, based on the excellent hydrolysis resistance
3. Excellent crush resistance and flexibility
4. PSP enhances the cable crush-resistance, impact-resistance and moisture-proof
5. Two parallel steel wires ensure tensile strength
6. Excellent ultraviolet prevention with PE sheath, small diameter, light weight and installation friendliness

Standards

Comply with standard YD/T 769-2010

Technical Parameters

Cable Type	Fiber Count	Cable Diameter MM	Cable Weight KG/KM	Tensile Strength		Crush Resistance		Bending Radius Static/Dynamic MM
				Long/Short Term N		Long/Short Term N/100MM		
GYXTW 2~12	2~12	7.8~8.0	78	600	1500	300	1000	10D/20D

Stranded Loose Tube Cable, Non-Metallic Central Strength Member

Model: GYTY / GYFTY

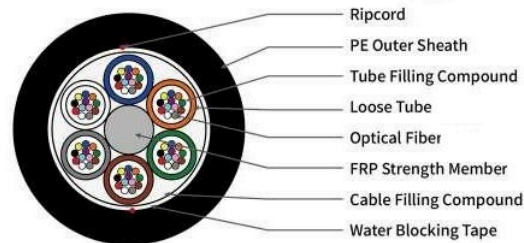
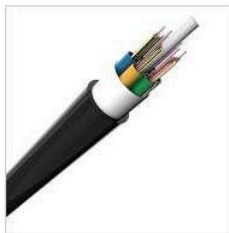
Description

In the GYTY/GYFTY cable, single-mode/multimode fibers are positioned in the loose tubes, while the loose tubes strand together around non-metallic(FRP) or steel wire central strength member into a compact and circular cable core. the strength member would be covered with polyethylene (PE). The water-blocking materials are distributed into the interstices of the cable core. Then the cable is completed with a PE sheath.

GYFY/GYFTY

Application

Duct/Aerial



Characteristic

1. Excellent mechanical and temperature Performance. Critical protection to fibers
2. Excellent ultraviolet prevention with PE sheath,excellent crush resistance and flexibility

Standards

Comply with stand YD/T 901-2009 as well as IEC 60794-1

Technical parameters

Cable Type	Fiber Count	Cable Diameter MM	Cable Weight KG/KM	Tensile Strength		Crush Resistance		Bending Radius
				Long/Short Term N		Long/Short Term N/100MM		Static/Dynamic MM
GYTY 2~36	2~30	10.6	92	600	1500	300	1000	10D/20D
GYTY 38~60	38~60	11.2	102	600	1500	300	1000	10D/20D
GYTY 62~72	62~72	12.2	114	600	1500	300	1000	10D/20D
GYTY 74~96	74~96	13.6	160	600	1500	300	1000	10D/20D
GYTY 98~120	98~120	14.6	200	600	1500	300	1000	10D/20D
GYTY 122~144	122~144	16.8	235	600	1500	300	1000	10D/20D

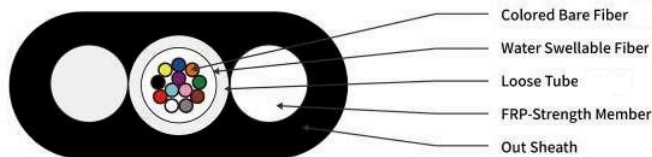
All-Dielectric Flat Fiber Optic Cable

Description

Flat fiber optic cable put in side with 2 FRP, the optical fiber unit positioned in the Loose tube. Two parallel strength member are placed at the two sides and have loose tube to protect fiber , outside sheath is PE.

Application

Aerial



Characteristic

1. Excellent mechanical and temperature performance guaranteed by the accurate excess fiber length
2. Critical protection to fibers, based on the excellent hydrolysis resistance
3. Two parallel FRP ensure the tensile strength of the cable
4. Excellent ultraviolet prevention with PE sheath, small diameter, light weight and installation friendliness

Technical Parameters

Fiber Counts	Cable Diameter(MM)	Tensile Strength		Crush Resistance		Bending Radius	
		Long/Short Term N		Long/Short Term N/100MM		Static/Dynamic MM	
2~12	4.5*8.5	600	1500	300	1000	10D	20D

Uni-Tube Non-Metallic Non-Armored Cable

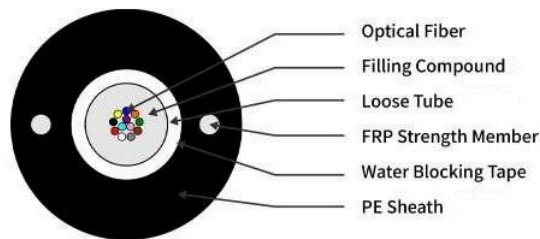
Model: GYFXTY

Description

The fibers are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. Two parallel FRP are placed at the two sides. The cable is completed with a polyethylene (PE) sheath.

Application

Aerial



Characteristic

1. Excellent mechanical and temperature performance guaranteed by the accurate excess fiber length
2. Critical protection to fibers, based on the excellent hydrolysis resistance
3. Two parallel FRP ensure the tensile strength of the cable
4. Excellent ultraviolet prevention with PE sheath, small diameter, light weight and installation friendliness

Standards

Comply with standard IEC60794

Technical parameters

Fiber Counts	Cable Diameter(MM)	Tensile Strength		Crush Resistance		Bending Radius	
		Long/Short Term N		Long/Short Term N/100MM		Static/Dynamic MM	
2~12	5.5-6.5	500	1000	300	1000	10D	20D

Stranded Loose Tube Cable with Steel Tape (Double Sheath)

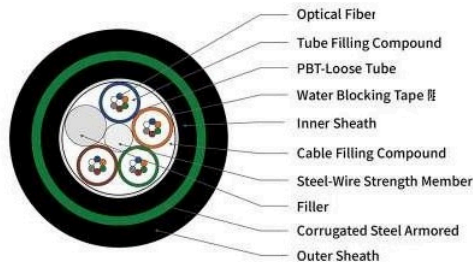
Model: GYTY53 / GYFTY53

Description

In the GYTY53/GYFTY53 cable, single-mode/multimode fibers are positioned in the loose tubes, the tubes are filled with water blocking filling compound. Tubes and fillers are stranded around the strength member into a circular cable core. Then the cable is completed with a PE sheath. Which is filled with the filling compound to protect it. After PSP is applied over the inner sheath, the cable is completed with a PE outer sheath.

Application

Direct buried



Characteristic

The following measures are taken to ensure the water blocking performance of the cable:

1. Single steel wire/FRP used as the central strength Member
2. Special water-blocking filling compound in the loose tube
3. 100% cable core filling, PSP moisture barrier and double sheaths

Standards

Comply with stand YD/T 901-2009 as well as IEC 60794-1

Technical Parameters

Cable Type	Fiber Count	Cable Diameter MM	Cable Weight KG/KM	Tensile Strength		Crush Resistance		Bending Radius
				Long/Short Term N		Long/Short Term N/100MM		
GYTY53 2~36	2~36	12.4	138	1000	3000	1000	3000	10D/20D
GYTY53 38~72	38~72	12.9	154	1000	3000	1000	3000	10D/20D
GYTY53 74~96	74~96	14.1	182	1000	3000	1000	3000	10D/20D
GYTY53 98~120	98~120	12.4	217	1000	3000	1000	3000	10D/20D
GYTY53 122~144	122~144	15.5	256	1000	3000	1000	3000	10D/20D

Figure-8 Cable with Steel / Aluminum Tape

Model: GY(F)TC8S / GY(F)TC8A

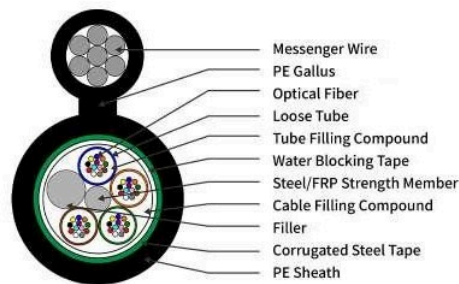
Description

In the GY(F)TC8S/GY(F)TC8A cable, single-mode/multimode fibers are positioned in the loose tubes, while the loose tubes strand together around central strength member into a compact and circular cable core, and the water-blocking materials are distributed into interstices of it. After a PSP/APL is applied around the cable core, this part of cable accompanied with the stranded wires as the supporting part are completed with a PE sheath to be a figure-8 structure.

GY(F)TC8S/GY(F)TC8A

Application

Self supporting Aerial



Characteristic

1. Excellent mechanical and temperature performance
2. Critical protection to fibers

Standards

Comply with stand YD/T901-2009 as well as IEC 60794-1

Technical parameters

Cable Type	Fiber Count	Cable Diameter MM	Cable Weight KG/KM	Tensile Strength		Crush Resistance	
				Long/Short Term N		Long/Short Term N/100MM	
GY(F)TC8S/A 2~30	2~30	9.5 x 19.1	160.0	2000	6000	300	1000
GY(F)TC8S/A 32~36	32~36	10.1 x 19.7	170.0	2000	6000	300	1000
GY(F)TC8S/A 38~60	38~60	10.8 x 20.4	180.0	2000	6000	300	1000
GY(F)TC8S/A 62~72	62~72	12.4 x 22.0	195.0	2000	6000	300	1000
GY(F)TC8S/A 74~96	74~96	13.1 x 22.7	222.0	2000	6000	300	1000
GY(F)TC8S/A 98~120	98~120	15.7 x 22.3	238.0	2000	6000	300	1000
GY(F)TC8S/A 122~144	122~144	15.5 x 25.1	273.0	2000	6000	300	1000

Figure-8 Fiber Optic Cable

Model: GYXTC8S / GYXTC8A

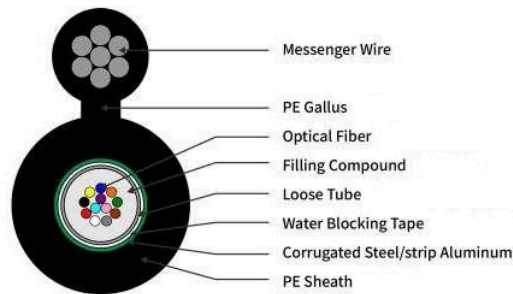
Description

In the GYXTC8S cable, single-mode/multimode fibers are positioned in the loose tube, which is made of high modulus plastic materials and filled with filling compound. PSP/ALP is longitudinally applied around the loose tube, and water-blocking materials are distributed into interstices of it. Then, this part of cable accompanied with the stranded wires as the supporting part are completed with a PE sheath to be a figure-8 structure.

GYXTC8S

Application

Self supporting Aerial



Characteristic

1. Excellent mechanical and temperature performance
2. Critical protection to fibers

Standards

Comply with stand YD/T 1155-2001 as well as IEC 60794-2-1

Technical Parameters

Cable Type	Fiber Count	Cable Diameter MM	Cable Weight KG/KM	Tensile Strength		Crush Resistance		Max.Fibers in Tubes
				Long/Short Term N		Long/Short Term N/100MM		
GYXTC8S/A 2~8	2~8	8.1 x 16.9	117	2000	6000	300	1000	8
GYXTC8S/A 10~12	10~12	8.3 x 17.0	121	2000	6000	300	1000	12

Figure-8 Fiber Optic Cable

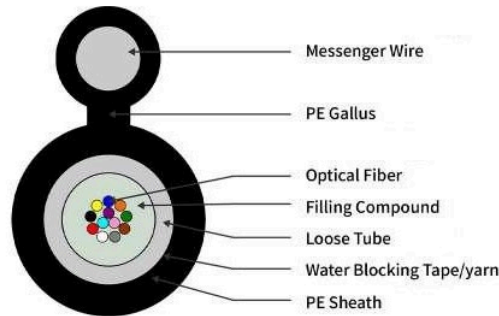
Model: GYXTC8Y

Description

In the small figure 8 cable, this cable consists of the loose tube with single mode or multimode fibers and steel wire as the messenger wire, which are formed like "Figure 8". After water blocking yarns are applied over the inner sheath, the cable is completed with a PE outer sheath.

Application

Self supporting Aerial



Characteristic

1. Excellent mechanical and temperature performance
2. Critical protection to fibers
3. Figure 8 self supporting type structure possesses high tensile strength and is convenient for aerial installation and its installation cost is che

Standards

Comply with stand YD/T 901-2009 as well as IEC 60794-1

Technical parameters

Cable Type	Fiber Count	Cable Diameter MM	Cable Weight KG/KM	Tensile Strength	Crush Resistance	Max.Fibers in Tubes
GYXTC8Y	2~12	5.4 x 9.5	47	500	700	12

Figure-8 Cable with Double Jacket, Double Armor

Model: GY(F)TC8S53 / GY(F)TC8A53

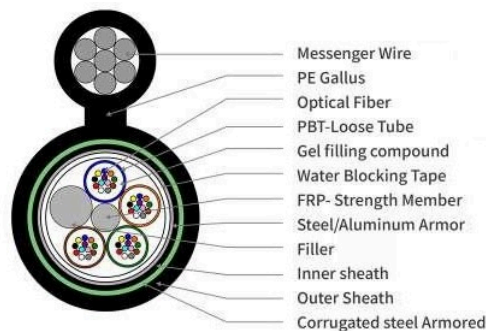
Description

GY(F)TC8S53/GY(F)TC8A53 optical cable is made by inserting single-mode/multi-mode optical fibers into loose tubes, and the loose tubes are filled with waterproof compounds. The center of the cable is a metal/FRP strength core, and the loose tube (and filler) is twisted around the strength core to form a compact and round cable core. The cable core is wrapped longitudinally with two layers of plastic-coated steel strips/plastic-coated aluminum strips, and then integrated with the steel wire strands into an 8-shaped polyethylene sheath.

GY(F)TC8S53/GY(F)TC8A53

Application

Self supporting Aerial



Characteristic

1. Excellent mechanical and temperature performance
2. Critical protection to fibers

Standards

Comply with stand YD/T 901-2009 as well as IEC 60794-1

Technical Parameters

Cable Type	Fiber Count	Cable Diameter MM	Cable Weight KG/KM	Tensile Strength		Crush Resistance	
				Long/Short Term N		Long/Short Term N/100MM	
GY(F)TC8S/A53	2~6	11.7x20.2	210	2000	6000	300	1000
GY(F)TC8S/A53	6~12	11.7x20.2	210	2000	6000	300	1000
GY(F)TC8S/A53	12~24	11.7x20.2	210	2000	6000	300	1000
GY(F)TC8S/A53	24~48	12.2x20.7	220	2000	6000	300	1000
GY(F)TC8S/A53	48~96	14.0x23.5	275	2000	6000	300	1000

Underwater Fiber Optic Cable

Model: GYTA33

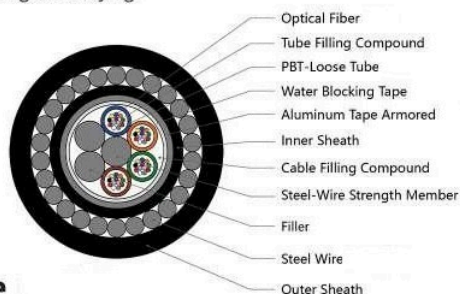
Description

The loose tubes are made of high modulus plastics (PBT) and filled with water resistant filling gel. Loose tubes are stranded around the metallic central strength member, cable core is filled with cable filling compound. The corrugated aluminum tape is longitudinally applied over the cable core, and combined with polyethylene (PE) inner sheath. Galvanized steel wires are stranded around inner sheath, and then extruded with PE outer sheath.

GYTA 33

Application

1. Underwater communication fields such as rivers and rivers
2. Communication areas such as climbing and burying



Temperature Range

Operating: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Storage: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Characteristic

1. Full-section water-blocking structure ensures good water and moisture resistance
2. The loose tube is filled with special grease to critically protect the fiber
3. The phosphating steel wire center reinforcement member has high modulus and corrosion resistance
4. Vertically wrapped double-sided wrinkled aluminum strip, fine round wire wrapped around the package to ensure the mechanical compression, tensile, anti rodent, elastic energy of the cable, to meet the application requirements of vertical burying and underwater laying
5. The product has a service life of more than 30 years

Standards

Comply with standard IEC 60794-1

Technical parameters

fiber count	Structure	Fibers per tube	Loose tube diameter (mm)	CSM diameter/paddiameter (mm)	Crush	Nominal Thickness of outer jacket (mm)	Cable diameter (mm)	Cable weight (kg/km)
12	1+5	6	1.7 ± 0.1	1.4/1.4	5000N/100mm	1.8	13.0 ± 0.5	270
24	1+5	6	1.7 ± 0.1	1.4/1.4	5000N/100mm	1.8	13.0 ± 0.5	271
36	1+6	6	1.7 ± 0.1	1.8/1.8	5000N/100mm	1.8	13.0 ± 0.5	292
48	1+5	12	2.0 ± 0.1	1.4/1.4	5000N/100mm	1.8	13.7 ± 0.5	295
72	1+6	12	2.0 ± 0.1	2.0/2.0	5000N/100mm	1.8	14.4 ± 0.5	335
96	1+8	12	2.0 ± 0.1	1.8/3.5	5000N/100mm	1.8	16.0 ± 0.5	389
144	1+12	12	2.0 ± 0.1	1.8/6.3	5000N/100mm	1.8	19.4 ± 0.5	601

Underwater Fiber Optic Cable

Model: GYTA333

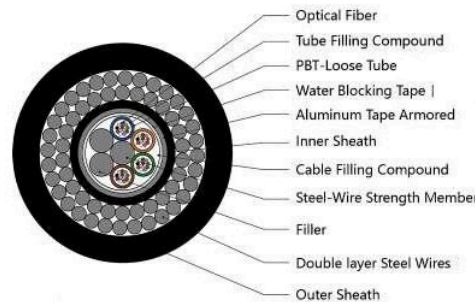
Description

The loose tubes are made of high modulus plastics (PBT) and filled with water resistant filling gel. Loose tubes are stranded around the metallic central strength member, cable core is filled with cable filling compound. The corrugated aluminum tape is longitudinally applied over the cable core, and combined with polyethylene (PE) inner sheath. Double layer galvanized steel wires are stranded around inner sheath, and then extruded with PE outer sheath.

GYTA 333

Application

Underwater (deep water available)



Characteristic

1. Full-section water-blocking structure ensures good water and moisture resistance
2. The loose tube is filled with special grease to provide critical protection for the fiber
3. Layered straight-buried, underwater optical cable, using high-quality optical fiber to ensure excellent transmission performance of optical cable
4. Precisely control the fiber length to ensure excellent mechanical and temperature characteristics of the cable
5. The center reinforcement member is made of corrosion-resistant, high Young's modulus phosphating steel wire
6. Vertically wrapped double-sided wrinkled aluminum tape armor, double-layer wire wrapped around the package to ensure the mechanical and bullet resistance of the cable, meeting the underwater laying requirements
7. Strict process and raw material control to ensure the optical cable has been working stably for more than 30 years

Standards

Comply with standard IEC 60794-1

Technical Parameters

Cable Type	Cable Diameter MM	Cable Weight KG/KM	Crush Resistance		Bending Radius
			Long/Short Term N/100MM		Static/Dynamic MM
GYTA333 2~36	15.8±0.5	488	5000	20000	10D/20D
GYTA333 48~60	16.5±0.5	530	5000	20000	10D/20D
GYTA333 96	20.0±0.5	857	5000	20000	10D/20D

Flame-Retardant Central-Tube Fiber Optic Cable for Coal Mines

Model: MGXTSV

Description

MGXTSV type optical cable is a communication optical cable for mining with metal strengthening member, central tube filling type, wrapped steel wire armor, steel-polyethylene bonded inner sheath, and flame-retardant blue LSZH outer sheath. Consists of a central loose tube, 12 phosphated steel wire reinforcements, a steel polyethylene sheath and a blue LSZH sheath.

MGXTSV

Application

1. Mines, gold mines, iron ore and other mines
2. Shafts, roadways and other places



Characteristic

1. Full-section water-blocking structure ensures good water and moisture resistance
2. Has good flame retardant properties
3. The loose tube is filled with special grease to critically protect the fiber
4. The cable has a small outer diameter, light weight and excellent bending performance
5. The loose tube is located in the physical center of the optical cable, which is convenient for construction and operation
6. The service life is more than 30 years

Technical parameters

Cable Type	Cable Diameter MM	Cable Weight KG/KM	Crush Resistance		Bending Radius
			Long/Short Term N/100MM		Static/Dynamic MM
MGXTSV 2-12	9.0±0.5	110	1750	750	10D/20D

Indoor Multi-Purpose Distribution Fiber Optic Cable

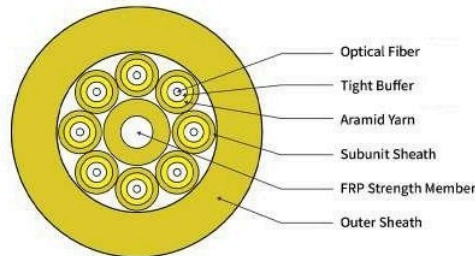
Model: GJBFJV

Description

The multi-core branch cable, It takes several simplex cables (900μm tight buffered fibre with aramid yarn strength member) as the sub-units which are stranded around the central strength member to form the cable core, then extruded with a PVC sheath. Other sheath materials, like TPU or LSZH, are available on request.

Application

1. Connection lines between communication equipment
2. Indoor cabling



Temperature Range

Operating: -20°C~+60°C

Storage: -20°C~+60°C

Characteristic

1. Excellent stripping ability with tight buffered fiber
2. High tensile strength due to aramid strength member
3. Excellent corrosion resistant, water proof, flame retardant and environmental-friendly properties of the outer sheath

Technical Parameters

Fiber Counts	Cable Diameter(MM)	Tensile Strength		Crush Resistance		Bending Radius	
		Long/Short Term N		Long/Short Term N/100MM		Static/Dynamic MM	
4	7.2±0.4	200	660	300	1000	10D	20D
6	9.0±0.4	200	660	300	1000	10D	20D
8	10.0±0.4	200	660	300	1000	10D	20D
12	12.5±0.4	200	660	300	1000	10D	20D
24	12.5±0.4	400	1320	300	1000	10D	20D

Indoor Multi-Purpose Distribution Fiber Optic Cable

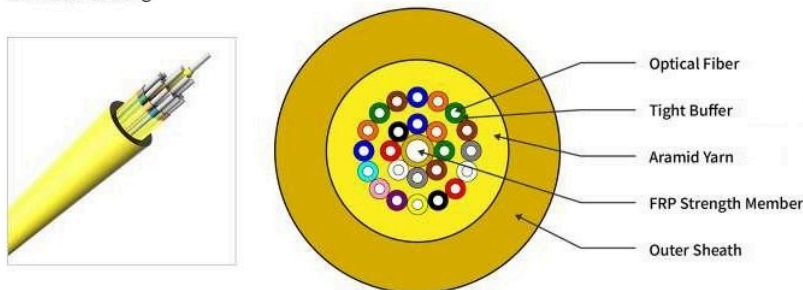
Model: GJPFJV

Description

GJPFJV multi purpose distribution cable use 6-fiber sub-units(900μm tight buffer, aramid yarn as strength member). A fiber reinforced plastic(FRP) locates in the center of core as a non-metallic strength member. The sub-units are stranded around the cable core. The cable is completed with a LSZH or PVC jacket.

Application

1. Backbone distribution cable in building
2. Indoor cabling



Characteristic

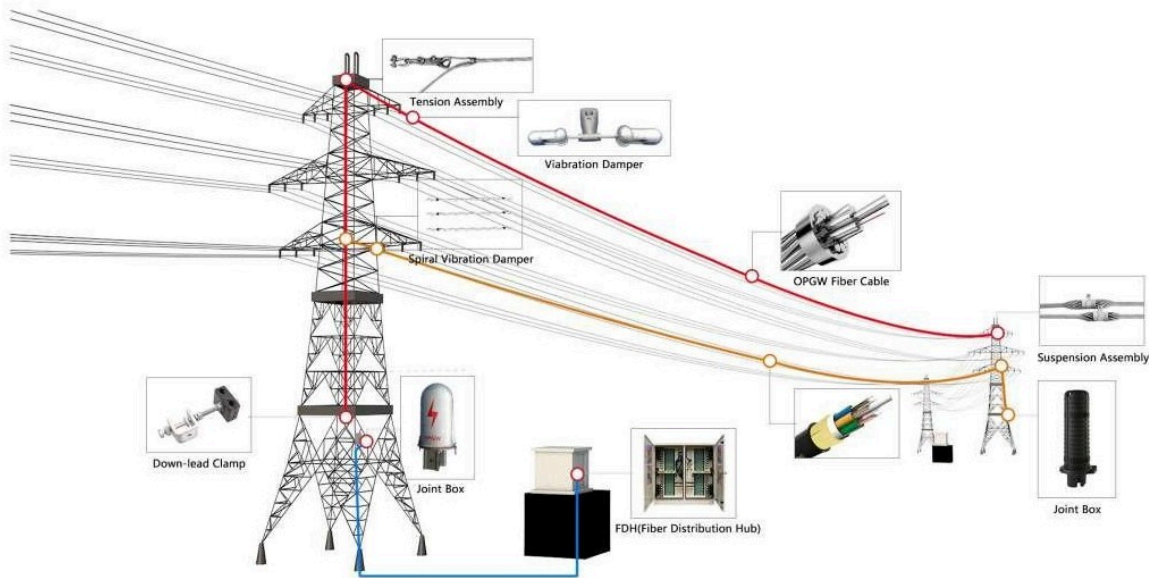
1. Excellent stripping ability with tight buffered fiber
2. High tensile strength due to aramid strength member
3. Excellent corrosion resistant, waterproof, flame retardant and environmental-friendly properties of the outer sheath

Technical parameters

Fiber Counts	Cable Diameter(MM)	Tensile Strength		Crush Resistance		Bending Radius	
		Long/Short Term N		Long/Short Term N/100MM		Static/Dynamic MM	
4	5.2±0.4	130	440	300	1000	10D	20D
6	5.5±0.4	130	440	300	1000	10D	20D
8	6.2±0.4	130	440	300	1000	10D	20D
12	6.5±0.4	200	660	300	1000	10D	20D
24	8.2±0.4	200	660	300	1000	10D	20D
36	9.0±0.4	200	660	300	1000	10D	20D
48	10.5±0.4	200	660	300	1000	10D	20D

OPGW Line Solution & Hardware

OPGW Solution



Product List

1.FDH(Fiber Distribution Hub)

The FDH is designed and constructed to be suitable for outdoor installation. The housing is sufficiently sturdy to withstand typical handling and installation procedures. The design and layout of the cable guides promote an efficient and ordered positioning of the cable within the hub.

2.Joint Box

Suitable for OPGW cable connection protection, has the function for direct connections and divergence connection, which can out of 4 cable, installed in the overhead pole, tower.

3.Clamp

Clamps are used to guide OPGW cables from the top of the structure to the joint box or for grounding the cable, (and provide proper spacing and holding strength without damaging the cable.

4.Tension Assembly

Tension Assembly is used for OPGW cable route's fixing and anchor shackling. Usually be installed on the terminal tower, tight tension tower and intersection angle tower etc.

5.Vibration Damper

Vibration Dampers effectively reduce the level of Aeolian vibrations on OPGW cables. It respond to wind induced line vibrations that is characterized by high frequency, low amplitude motion.

6.OPGW(Optical Ground Wire)

OPGW is a type of cable that is used in the construction of electric power transmission and distribution lines. Such cable combines the function grounding and communications. An OPGW cable contains a tubular structure with one or more optical fibers in it, surrounded by layers of steel and aluminum wire.

7.Suspension Assembly

Suspension Assemblies are designed for use with OPGW cable at suspension tower positions. Suspension Assemblies reduce static compressive stresses at the support point and cushion the OPGW cable against the dynamic stress of Aeolian vibration.

Ordering & Support

Quotes, lengths, fiber counts and project pricing: cs@conversionstech.com

Phone: (307) 206-0534

Web: conversionstech.com

Ships from Oxnard, CA

Mail: 41 S. Wake Forest Ave. #3129, Ventura CA 93003

Specifications in this catalog are typical design values. Confirm fiber type, count, construction and lengths at time of order.
Specifications subject to change.