14 Years

Manufacturer&Supplier of Professional Fiber Optic Cabling System

Products & Services & After sales services

Wirenet Telecom Technology Co.,Ltd

深圳威尔特通信科技有限公司

2023 VERSION

Add: 2rd floor, 2 Building,Jingheyuan Industry Park,No.2004 Xuegang Road, Bantian Street, Longgang District, Shenzhen, China

Tel: 86-755-28461866 Fax: 86-755-28461781

Website: http://www.wirenetfiber.cn

QUALITY CONTROL

100%OTDR optical test the attenuation

Enviromental test for Temp and huminit

Michanical test the bending

Michanical test tortion

Michanical test the abration

Michanical test the tensile

Production

Retrict choose of raw material

E-controled cable lay out

Jacket injection by infrared sensing

Customized marking for OEM

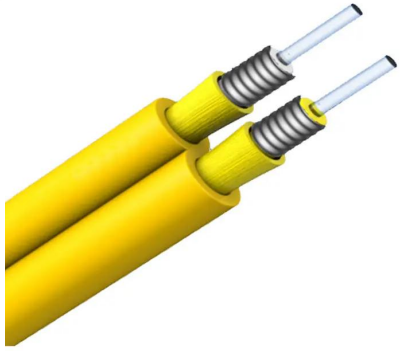
Precise diameter control

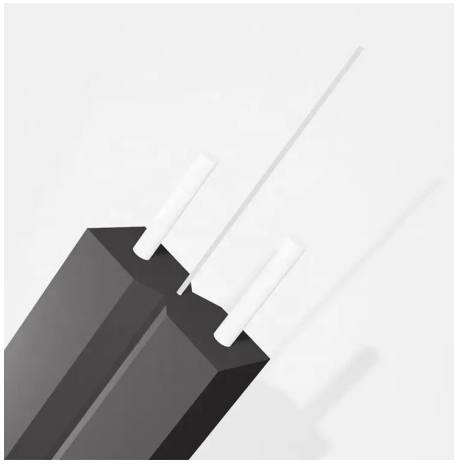
Exporting coil reel

WIRENET TELECOM TECHNOLOGY CO., LTD

Fiber Optic Cable System

WIRENET FIBER CABLE SERIES





Catolog

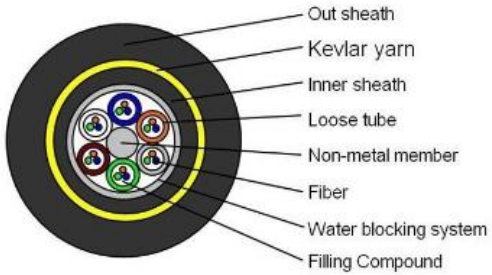
WIRENET

FIBER OPTIC CABLE SYSTEM

- ADSS cable
- Submarine cable
- Photoelectric hybrid cable
- Military cable
- indoor&outdoor drop cable
- Outdoor&outdoor drop cable
- Indoor drop cable
- Aerial Application Fiber Cable
- Direct Buried Fiber Cable
- Underground/Aerial duct cable
- Self-supporting Aerial Cable
- Outdoor base station cable
- Outdoor soft cable for lift usage
- Spiral armoured cable
- Indoor invisable cable
- Indoor optic cable
- OPGW cable

Fiber Cable system

ADSS cable All-dielectric Self-supporting Optical Cable



Application:

- The actual status of overhead power lines is taken into full consideration when ADSS cable is being designed.
- For overhead power lines under 110kV, PE outer sheath is applied.
- For power lines equal to or over 110kV, AT outer sheath is applied.
- The dedicate design of aramid quantity and stranding process can satisfy the demand on various spans.

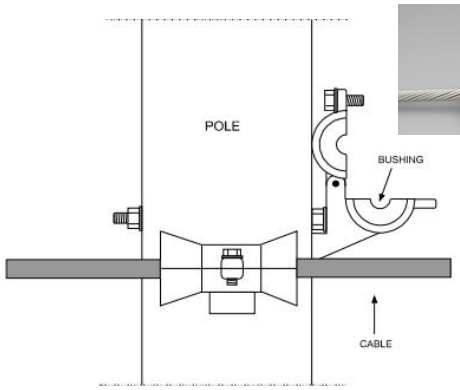
Order information

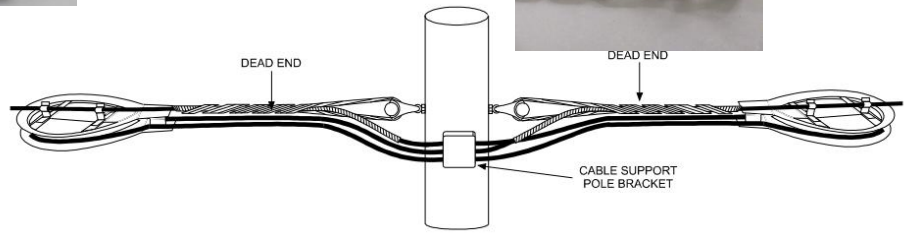
Fiber type: G.652D/G.657A1/G.657A2

Span:100M,150M,200M….1000M

Jacket material: PE /LSZH/AT

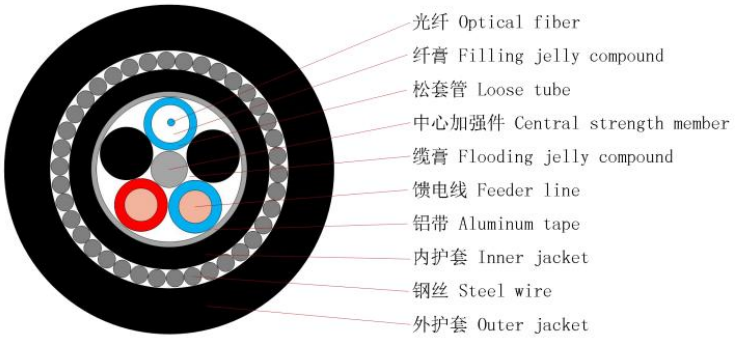
Sheath structure:Single sheath/Double sheath





Fiber Cable system

Submarine Fiber+copper Cable GDTA33 1B1.3+2×2

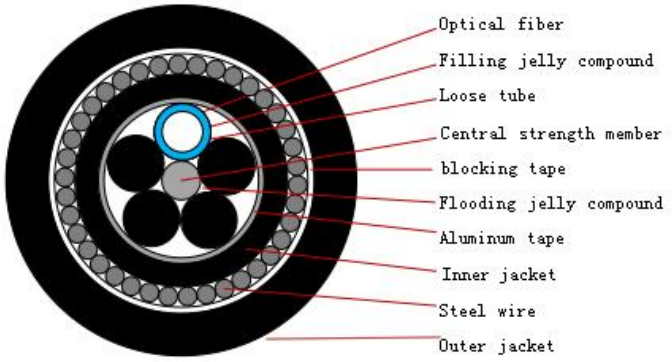


Technical informaton of cable constructions

Item		Parameters
Fiber	Color	Full colors pectrum
Loosetube	Material	PBT
	Color	Full colors pectrum
Filler	Material	PE
	Color	Black
Electrical unit	Material of Insulation	PVC
	Color	Red Blue2mm*2
CSM	Material	Phosphatingsteelwire
Armoured	Material	Plastic coated aluminum strip
Innerjacket	Material	MDPE
	Color	Black
Steel armoure		0.9mm*48pcs Phosphating steel wire
Outerjacket	Material	MDPE
	Color	Black
Min.bending radius	Static	12.5time scable diameter
	Dynamic	25times cable diameter
Tensileperformance	Short term	10000N
Crush	Shortterm	5000N/ 100mm

Fiber Cable system

Submarine Fiber Cable GYTA33

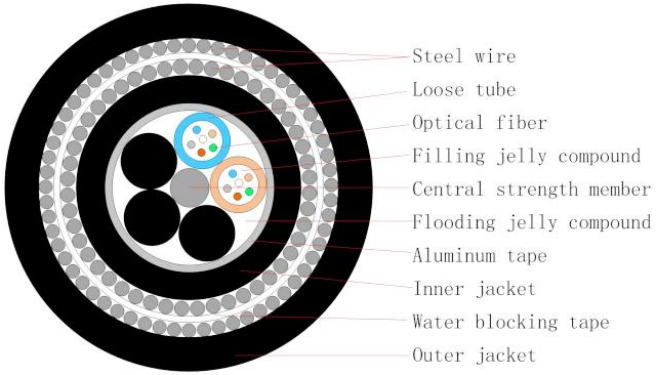


Technical informaton of cable constructions

Item		Parameters
Loose tube	Material	PBT
	Color	Full color spectrum
Filler	Material	PE
	Color	Black
CSM	Material	Phosphating steelwire
Armoured	Material	Plastic coatedaluminumstrip
Inner jacket	Material	MDPE
	Color	Black
Steel armoured wire	Material	Galvanizedsteelwire
Outer jacket	Material	HDPE
	Color	Black
Min.bending radius	Static	12.5times cable diameter
	Dynamic	25timescable diameter
Tensileperformance	Short term	10000N
Crush	Short term	5000N/100mm

Fiber Cable system

Submarine Fiber Cable GYTA333



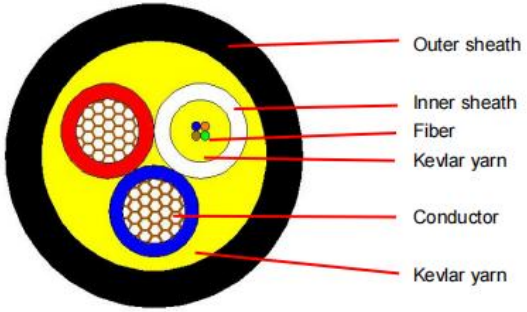
Technical informaton of cable constructions

Item		Parameters
Loose tube	Material	PBT
	Color	Fullcolorspectrum
Filler	Material	PE
	Color	Black
CSM	Material	Phosphatingsteelwire
Armoured	Material	Plasticcoatedaluminumstrip
Innerjacket	Material	MDPE
	Color	Black
SteelwireArmoured	Material	Galvanizedsteelwire
Outerjacket	Material	MDPE
	Color	Black
Min.bendingradius	Static	15 timescablediameter
	Dynamic	30 timescablediameter
Tensileperformance	Shortterm	20000N
Crush	Shortterm	5000N/100mm
Impact	Impactenergy:1kg×1m; radiusofhammerhead:12.5mm; numberofimpact: 5 ,nofiberbreakandnocabledamage.	

Fiber Cable system

Hybrid copper+ fiber cable

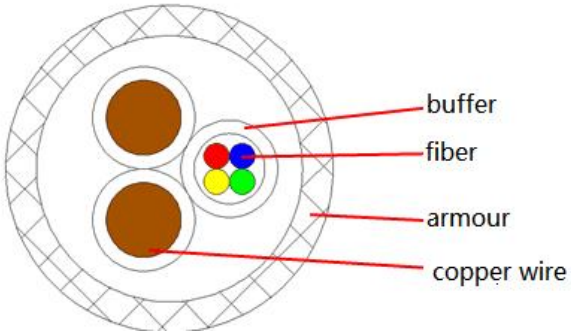
Non-armoured design with single buffer



Cable construction details

Items		Description
Number of fiber		1~12core
Fiber type		G657A2
Strength member 1	material	Kevlar
Conduct	material	copper wire
	diameter	customizing
Outer sheath	material	PE
	diameter	≥1.0mm
	Color	Black

Armoured design with single buffer



Cable construction details

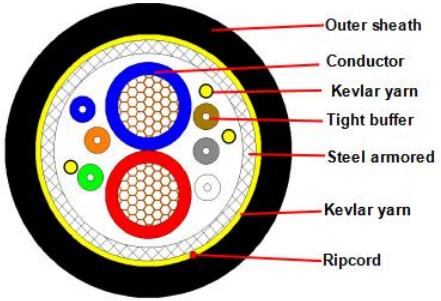
Items		Description
Number of fiber		1~12core
Fiber type		G657A2
Strength member 1	material	Kevlar
Conduct	material	copper wire
	diameter	customizing
Outer sheath	material	Armour tubing

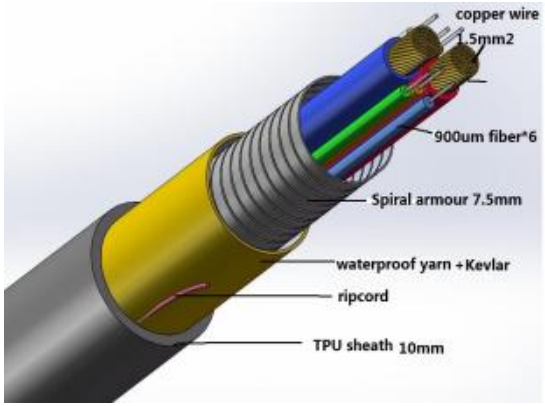
Fiber Cable system

Photoelectric hybrid cable

Hybrid copper+fiber cable

Armoured design with multi buffer





Cable construction details

Items	Description	
Tight buffer	Material	LSZH
	Diameter	0.9±0.05mm
Power Wire Elements	Conductor	1.5mm² x 2
	Color	Blue、Red
	Diameter	3.0±0.1mm
Armored	Material	Steel wire
	Diameter	8.5±0.1mm
Outer sheath	Material	TPU
	Color	Black
	Diameter	10.5±0.4mm

Cable Mechanical characteristic

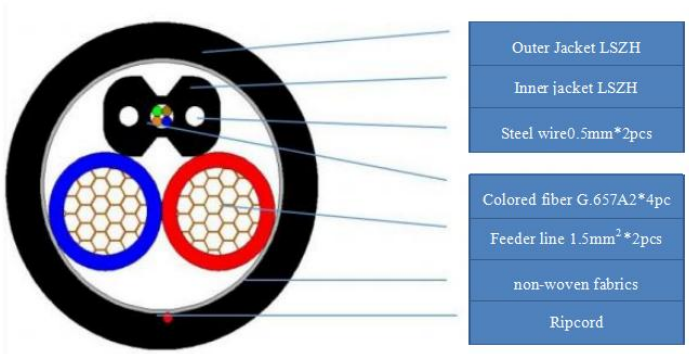
Items	Description	
Tight buffer	Material	LSZH
	Diameter	0.9±0.05mm
Power Wire Elements	Conductor	1.5mm² x 2
	Color	Blue、Red
	Diameter	3.0±0.1mm
Armored	Material	Steel wire
	Diameter	8.5±0.1mm
Outer sheath	Material	TPU
	Color	Black
	Diameter	10.5±0.4mm

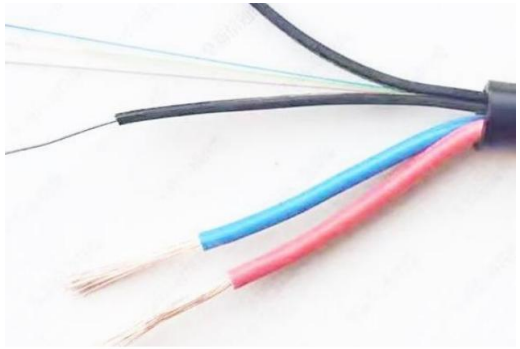
Fiber Cable system

Photoelectric hybrid cable

Hybrid copper+fiber cable

Hybrid fiber cable with FTTH cable design





Cable Pamameter

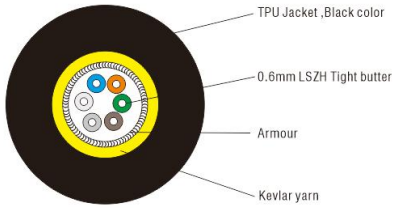
Items	Description	
Tight buffer	Material	LSZH
	Diameter	0.9±0.05mm
Power Wire Elements	Conductor	1.5mm² x 2
	Color	Blue、Red
	Diameter	3.0±0.1mm
Armored	Material	Steel wire
	Diameter	8.5±0.1mm
Outer sheath	Material	TPU
	Color	Black
	Diameter	10.5±0.4mm

Mechanical and Environmental Characteristics

Items	Description	
Tight buffer	Material	LSZH
	Diameter	0.9±0.05mm
Power Wire Elements	Conductor	1.5mm² x 2
	Color	Blue、Red
	Diameter	3.0±0.1mm
Armored	Material	Steel wire
	Diameter	8.5±0.1mm
Outer sheath	Material	TPU
	Color	Black
	Diameter	10.5±0.4mm

Military cable

- ✓ **Application**
- ✓ Military
- ✓ mine
- ✓ Steam wells, oil wells
- ✓ Broadcast TV



6Fiber

12Fiber

Cable Parameters

Items		Specifications
Fiber Type		OM4
Fiber Count		6F&12F
Tight-buffered Fiber	Dimension	550±50μm
	Material	LSZH
	Color	Blue、Orange、green、Brown、Gray、White、Red、Black，Yellow，Purple,pink,Aqua
stainless steel tube	Dimension	6F ±0.1mm& ±0.1mm
	Material	non-magnetic stainless steel
	Thickness	0.22±0.02 mm
Jacket	Dimension	6F
	Material	TPU
	Color	Black
	Thickness	1.5mm

Mechanical and Environmental Characteristics

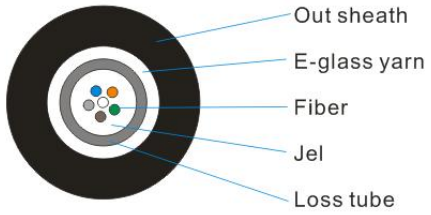
Items	Unite	Specifications
Tension(Long Term)	N	600
Tension (Short Term)	N	1500
Crush（Long Term）	N/10cm	1500
Crush（Short Term）	N/10cm	3000
Min. Bend Radius（Dynamic）	mm	20D
Min. Bend Radius（Static）	mm	10D
Operating Temperature	℃	-20～+60
Storage Temperature	℃	-20～+60

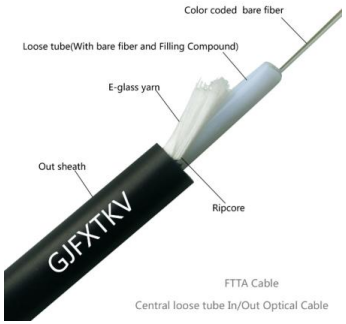
Military cable can be armoured and non-armored optional

Fiber Cable system

Indoor&outdoor drop cable

GJFXTKV





Application

- Adopted to indoor or outdoor distribution.
- Small cable size,lightweight
- With excellent waterproofing performance.

Characteristics

- Filler protect bube fiber.
- E-glass member potentiate.
- Fiber counl:1-12

Technical Parameters

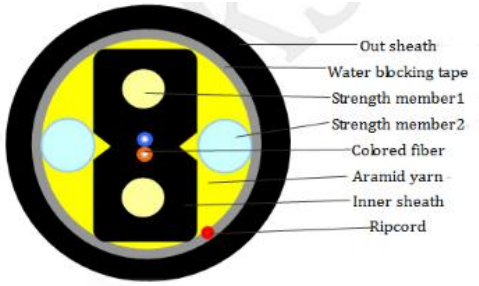
Cable Count	Out sheath Diameter	Weight	Minimum allowable TensileStrength（N）		Minimum allowable Crush Load (N/100nm)		Minimum Bending Radius(MM)	
	(MM)	(kg)	Short term	Long term	Short term	Long term	Short term	Long term
1-12	4.0/5.0/6.0	45	600	200	1000	200	20D	10D

Fiber Cable system

FTTH Drop cable (outdoor)

Duct installation Round FTTH fiber optic cable with steel tape armored

Bow-type FTTH put in side with 2 KFRP, the optical fiber unit positioned in the centre. Two parallel strength member are placed at the two sides and have aramid yarn to protect the inside FTTH, ourside sheath is PE.



Cable construction details

Items		Description
Number of fiber		1core/2cores/4core
Fiber type		G657A2
Strength member 1	material	KFRP
	diameter	2*0.5mm
Strength member 2	material	FRP
	diameter	2*0.8mm
Inner sheath	material	LSZH
	diameter	1.8±0.2mm
	Color	Black
Outer sheath	material	PE
	diameter	≥1.0mm
	Color	Black
Aramid yarn		Kevlar yarn
Inside Cable size (Height * width)		2.0(±0.1) mm × 3.0(±0.2)mm
Whole Cable sheath		6.5±0.2mm
Cable weight		32KG±1KG

Cable Mechanical characteristic

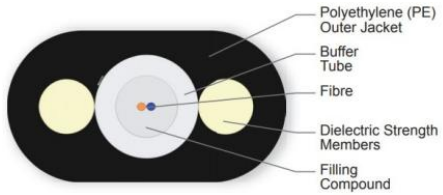
Items		Description
Installation Temperature range		-20--+60℃
Operation and transport temperature		-40-+70℃
Min Bending Radius(mm)	Long term	15D
	short term	30D
Allowable Tensile Strength(N)	Long term	500
	short term	1000
Crush Load (N/100mm)	Long term	500
	short term	1000
Recommended Span (m)		70
Installation sag		1.5%
Max. Wind Speed (m/s)		25
Average Wind Speed (m/s)		10

Fiber Cable system

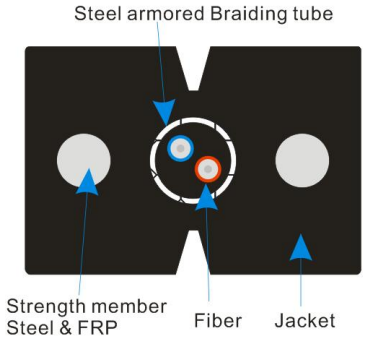
indoor drop cable

FTTH Drop cable (indoor) 1-12core

GJXH/GJXFH



4.0*7.0mm 1-12core bare fiber



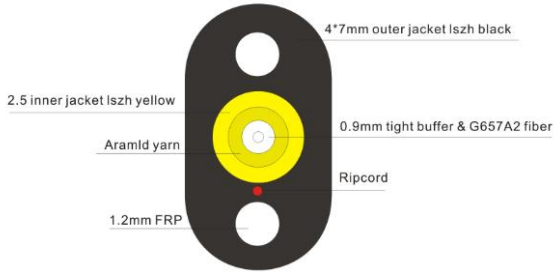
Steel armored tube :0.8mm (1core)
1mm(2core)

Prevent dental animals

side pressure: 4000N/100mm

The 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 the inside FTTH, outside sheath is HDPE or LSZH

Assemble fiber optic connectors

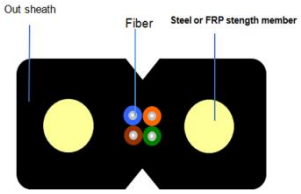


4.0*7.0mm 1core 2-3mm loose tube

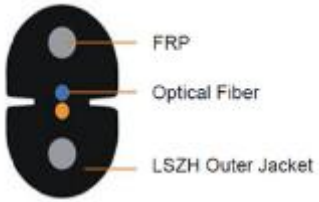
Fiber Cable system

FTTH Drop cable (indoor) 1-12core

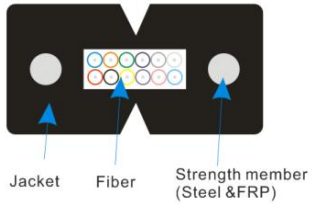
GJXH/GJXFH



2.0*3.0mm



2.0*3.0mm



2.0*4.0mm

FTTH fiber optic cable is designed for use FTTH systems. Small diameter, light, can be used in many situations. Simple structure, anti press, anti pull, anti aging. Small bending fatigue lifetime is several hundred times longer than all standard single mode fiber. The cable complete with black flame retardant LSZH outer jacket.

Application

- Adopted to outdoor level and vertical distribution.
- Suitable for aerial and duct drop installation.
- Long distance and local area network communication.
- Can be installed conveniently.

Characteristics:

- Good mechanical and enviromental characteristic.
- Anti-UV charateristics meet the requirements of relevant standards.
- The mechanical charateristics meet the requirements of relevant standards.
- Big capacity data transmission.
- Meet various requirements of market and clients.

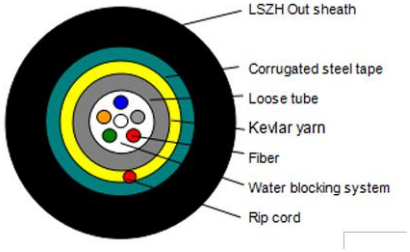
Cable construction details

Items	Description	
Fiber	G652, G.657A1, G.657A2, G.657B	
Tight buffer	Material	LSZH
	Diameter	0.9±0.05mm
Power Wire Elements	Conductor	1.5mm² x 2
	Color	Blue、Red
	Diameter	3.0±0.1mm
Armored	Material	Steel wire
	Diameter	8.5±0.1mm
Outer sheath	Material	TPU
	Color	Black
	Diameter	10.5±0.4mm

Fiber Cable system

Aerial Application Fiber Cable

GYXTS



Application:

- Adopted to Outdoor distribution.
- Suitable for aerial duct and buried method.
- Long distance and local area network communication.

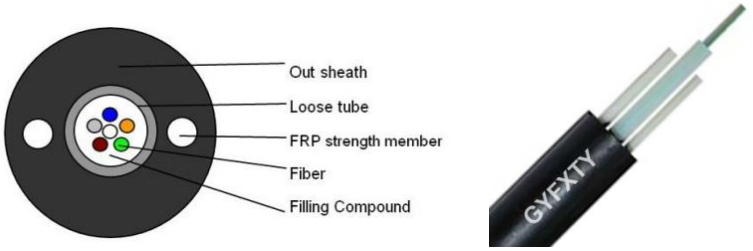
Technical Parameters:

Cable Count	Out sheath Diameter	Weight	Minimum allowable TensileStrength（N）		Minimum allowable Crush Load (N/100nm)		Minimum Bending Radius(MM)	
	(MM)	(kg)	Short term	Long term	Short term	Long term	Short term	Long term
2-12	7.4	48	3000	1000	1500	500	20D	10D

Aerial Application Fiber Cable

GYFXTY

Non-metal Central loose Tube outdoor cable



Application:

- Adopted to Outdoor distribution.
- Adopoted to trunk power transmission system.
- Access networ and local network in high electromagnetic interfering places

Characteristics:

- Non-metal strength member.
- Filler protect loose tuber fiber.
- Non-metal strength member has an excellent anti-electromagnet ability.

Technical Parameters:

Cable Count	Out sheath Diameter	Weight	Minimum allowable TensileStrength（N）		Minimum allowable Crush Load (N/100nm)		Minimum Bending Radius(MM)		Storage Temperature
	(MM)	(kg)	Short term	Long term	Short term	Long term	Short term	Long term	(℃)
2-12	7.2	45	1200	500	1000	300	20D	10D	-40+60

GYXTW

Armoured Central loose tube Outdoor Cable

Application:

- Adopted to Outdoor distribution.
- Suitable for aerial pipeline laying method.
- Long distance and local area network communication.

Characteristics:

- Steel-wire parallel member
- Steel tape amored as central protection member
- Excellet mechanical and environmental performance
- Compact structure light weight
- Can be installed conveniently and operated simply.

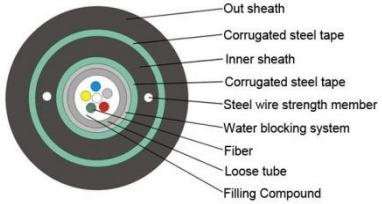
Technical Parameters:

Cable Count	Out sheath Diameter	Weight	Minimum allowable TensileStrength（N）		Minimum allowable Crush Load (N/100nm)		Minimum Bending Radius(MM)		Storage Temperature
	(MM)	(kg)	Short term	Long term	Short term	Long term	Short term	Long term	(℃)
2-12	6.0~8.0	78	1500	600	1000	300	20D	10D	-40+60

Direct Buried Fiber Cable

GYXTW53

Armored and Sheathed Double Central Loose tube Cab



Application:

- Adopted to Outdoor distribution.
- Suitable for aerial duct and buried method.
- Long distance and local area network communication.

Characteristics:

- Steel-wire parallel member.filler protect tube fiber steel tape amored.
- Excellet mechanical and environmental performance.
- Compact structure light weight.
- Can be installed conveniently and operated simply.

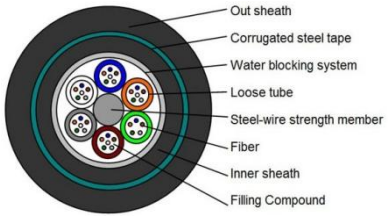
Technical Parameters:

Cable Count	Out sheath Diameter	Weight	Minimum allowable TensileStrength（N）		Minimum allowable Crush Load (N/100nm)		Minimum Bending Radius(MM)	
	(MM)	(kg)	Short term	Long term	Short term	Long term	Short term	Long term
2-12	12	165	3000	1000	1500	500	20D	10D

Direct Buried Fiber Cable

GYTY53

Armored and Double sheathed Outdoor cable



Application:

- Adopted to Outdoor distribution.
- Suitable for aerial duct and buried method.
- Long distance and local area network communication.

Characteristics:

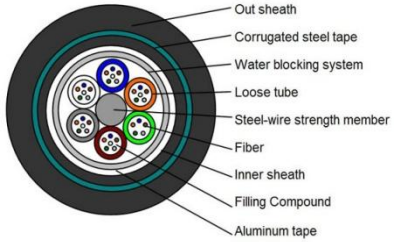
- Steel wire strength filler protect tube fiber.steel tape armord.
- Good ultra violet radiation resistant property.
- Double sheath. Good moisture-resistance.

Technical Parameters:

Cable Count	Out sheath Diameter	Weig.	Minimum allowable TensileStrength（N）		Minimum allowable Crush Load (N/100nm)		Minimum Bending Radius(MM)	
	(MM)	(kg)	Short term	Long term	Short term	Long term	Short term	Long term
24-42	12	155	3000	1000	3000	1000	20D	10D
48	13	155	3000	1000	3000	1000	20D	10D
60	13	185	3000	1000	3000	1000	20D	10D
72	13	215	3000	1000	3000	1000	20D	10D
96	14.5	215	3000	1000	3000	1000	20D	10D
144	18.3	275	3000	1000	3000	1000	20D	10D

GYTA53

Armored and Double Sheathed Outdoor cable



Application:

- Adopted to Outdoor distribution.
- Suitable for aerial pipeline laying method.
- Long distance and local area network communication.

Characteristics:

- Steel wire strength filler protect tube fiber. Steel tape armord.
- Good ultra violet radiation resistant property.
- Double sheath and Double armored .
- Good moisture resistance.

Technical Parameters:

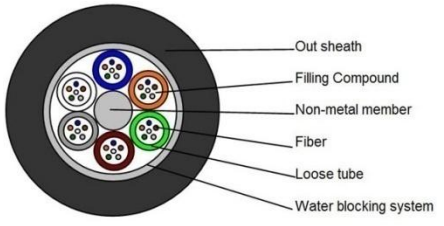
Cable Count	Out sheath Diameter	Weight	Minimum allowable TensileStrength（N）		Minimum allowable Crush Load (N/100nm)		Minimum Bending Radius(MM)	
	(MM)	(kg)	Short term	Long term	Short term	Long term	Short term	Long term
24-42	14.5	155	3000	1000	3000	1000	20D	10D
48-72	15.5	210	3000	1000	3000	1000	20D	10D
96	16.5	275	3000	1000	3000	1000	20D	10D
144	19.6	345	3000	1000	3000	1000	20D	10D

Fiber Cable system

Underground/Aerial duct cable

GYFTY

Dielectric Loose Tube cable



Application:

- Adopted to Outdoor distribution.
- Adopoted to trunk power transmission system.
- Access networ and local network in high electromagnetic interfering places

Characteristics:

- Non-metal strength member.
- Filler protect loose tuber fiber.
- Non-metal strength has an excellent anti-electromagnet ability.

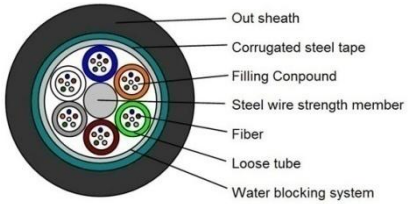
Technical Parameters

Cable Count	Out sheath Diameter	Weigh t	Minimum allowable TensileStrength（N）		Minimum allowable Crush Load (N/100nm)		Minimum Bending Radius(MM)		Storage Temperature
	(MM)	(kg)	Short term	Long term	Short term	Long term	Short term	Long term	(℃)
24-60	9.8	65	1500	600	1000	300	20D	10D	-40+60
72	10.5	85	1500	600	1000	300	20D	10D	-40+60
96	14.5	145	1500	600	1000	300	20D	10D	-40+60
144	18.3	185	1500	600	1000	300	20D	10D	-40+60

Underground/Aerial duct cable

GYTS

Steel Tape layer loose tube Outdoor cable



Application

- Adopted to Outdoor distribution.
- Suitable for aerial pipeline laying method.
- Long distance and local area network communication.

Characteristics

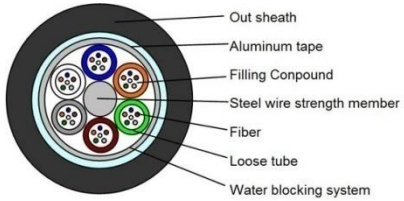
- Steel wire strength filler protect tube fiber.steel tape armord.
- Good ultra violet radiation resistant property.
- Good moisture-resistance.

Technical Parameters

Cable Count	Out sheath Diameter	Weight	Minimum allowable TensileStrength（N）		Minimum allowable Crush Load (N/100nm)		Minimum Bending Radius(MM)	
	(MM)	(kg)	Short term	Long term	Short term	Long term	Short term	Long term
24-32	8.6	105	1500	600	1000	300	20D	10D
33-60	9.6	208	1500	600	1000	300	20D	10D
144	15.5	295	1500	600	1000	300	20D	10D

GYTA

Aluminum Tape layer Loose Tube Outdoor cable



Application

- Adopted to Outdoor distribution.
- Suitable for aerial pipeline laying method.
- Long distance and local area network communication.

Characteristics:

- Steel wire strength filler protect tube fiber.Aluminum tape armord.
- Good ultra violet radiation resistant property.
- Good moisture-resistance

Technical Parameters

Cable Count	Out sheath Diameter	Weight	Minimum allowable TensileStrength（N）		Minimum allowable Crush Load (N/100nm)		Minimum Bending Radius(MM)	
	(MM)	(kg)	Short term	Long term	Short term	Long term	Short term	Long term
24-32	8.6	105	1500	600	1000	300	20D	10D
33-60	9.6	208	1500	600	1000	300	20D	10D
144	15.5	295	1500	600	1000	300	20D	10D

Fiber Cable system

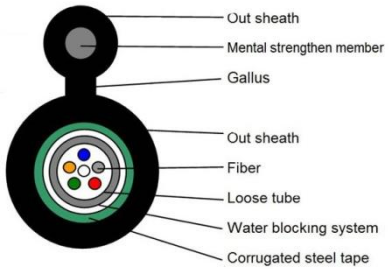
Self-supporting Aerial Cable

Fiber Cable system

Self-supporting Aerial Cable

Figure 8 self-supporting aerial cable

GYXTC8S



Application

- Adopted to Outdoor distribution.
- Suitable for aerial duct and buried method.
- Long distance and local area network communication.

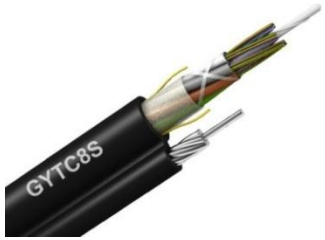
Characteristics

- Stainless steel or gaivanized steel self-supporting.
- Excellet mechanical and environmental performance.

Technical Parameters

Cable Count	Out sheath Diameter	Weight	Minimum allowable TensileStrength（N）		Minimum allowable Crush Load (N/100nm)		Minimum Bending Radius(MM)	
	(MM)	(kg)	Short term	Long term	Short term	Long term	Short term	Long term
2	3.8*5.5	52	1000	200	1000	200	20D	10D
4	3.8*5.5	52	1000	200	1000	200	20D	10D
6	3.8*5.5	52	1000	200	1000	200	20D	10D
8	3.8*5.5	52	1000	200	1000	200	20D	10D
12	3.8*5.5	52	1000	200	1000	200	20D	10D

GYTC8S



Application

- Adopted to Outdoor distribution.
- Suitable for aerial duct and buried method.
- Long distance and local area network communication.

Characteristics

- Stainless steel or gaivanized steel self-supporting.
- Excellet mechanical and environmental performance.

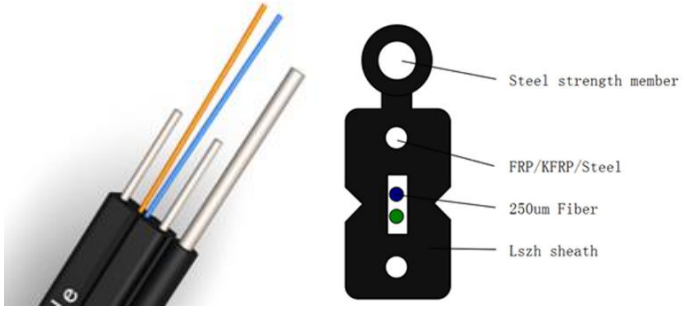
Technical Parameters

Cable Count	Out sheath Diameter	Weight	Minimum allowable TensileStrength（N）		Minimum allowable Crush Load (N/100nm)		Minimum Bending Radius(MM)	
	(MM)	(kg)	Short term	Long term	Short term	Long term	Short term	Long term
6-12	3.0*9.8	54	1000	200	1000	200	20D	10D
24-42	7.0*14.5	210	3000	1000	3000	1000	20D	10D
48	7.0*15.5	210	3000	1000	3000	1000	20D	10D
72	7.0*15.5	245	3000	1000	3000	1000	20D	10D
144	7.0*15.5	285	3000	1000	3000	1000	20D	10D

FTTH self-supporting aerial cable

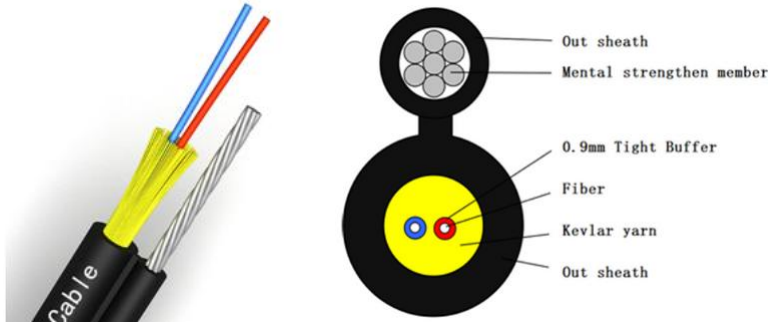
FTTH Cable directly connected to their homes, their bandwidth, wavelength and transmission technology type are not restricted. The optical fiber unit id positioned in the center. Two parallel strength member are placed at the two sides. A steel wire as the additional strength member is also applied ,then, the cable is completed with a black HDPE sheath.

Fiber to the home aerial drop cable(self support FTTH)



Items		Description
Number of fiber		1~24core
strength member	Material	Galvanized steel wire/FRP/KFRP
	diameter	2*(0.5~0.8)mm
Self support Messenger wire	Material	Galvanized steel wire
	diameter	1.0mm
Outer sheath	material	LSZH
	diameter	1.8±0.2mm
Cable size (Height * width)		2.0(±0.1) mm × 5.2(±0.2)mm
Cable sheath thickness		Max. 0.8mm/Min. 0.4mm
Messenger sheath thickness		0.5~0.7mm

Fiber to the home aerial drop cable (2core FTTH)



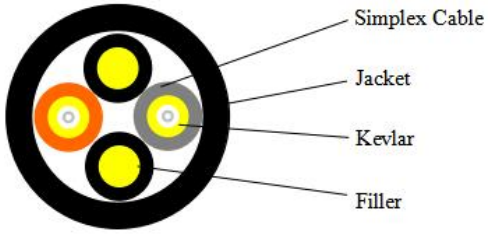
Items		Description
Number of fiber		2cores
Fiber	type	G657A tight buffer
	diameter	250μm
Strength member	materia	Kevlar yarn
Self support Messenger wire	material	Steel wire
	diameter	1.2mm Steel wire
Outer sheath	material	LSZH
	diameter	1.8±0.2mm
Cable size (Height * width)		3.5 mm × 6.5mm
Cable weight		26KG±1KG

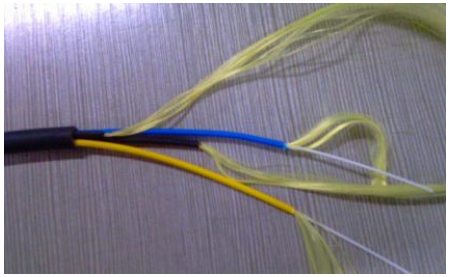
7.0-Duplex Round Far Transmission Cable

Application

Fiber optic cable is used to pull the digital baseband IQ signal far away, and the RF conversion is completed on the tower.The radio frequency remote module pulls the radio frequency part of the base station far away through optical fiber to realize the separation of the radio frequency part of the base station and the baseband part, so that the large-capacity base station can be centrally placed in the accessible central machine room, and the baseband part can be centrally processed.Because of the use of digital signal transmission, the pulling distance has been greatly improved, up to 40km.

Structure





Cable Parameters

Items		Specifications
Fiber Count		2
Tight-Buffered Fiber	Diameter	850±50μm
	Material	LSZH
	Color	White
Simplex Cable	Diameter	1.9±0.1mm
	Material	LSZH
	Color	Gray, Yellow
Filler	Diameter	1.9±0.1mm
	Material	LSZH
	Color	Black
Strength Member		Kevlar
Jacket	Diameter	6.8~6.9mm
	Material	LSZH
	Color	Black

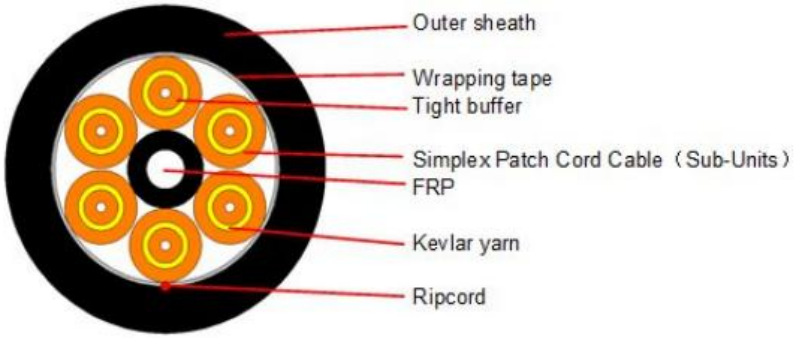
Mechanical and Environmental Characteristics

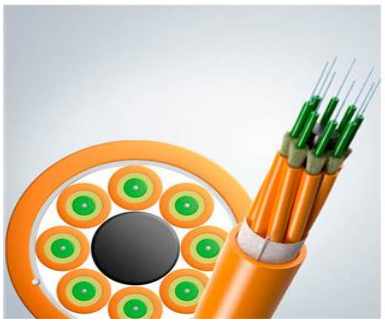
Items	Unite	Specifications
Tension（Long Term）	N	200
Tension（Short Term）	N	400
Crush（Long Term）	N/10cm	500
Crush（Short Term）	N/10cm	1000
Min. Bend Radius（Dynamic）	mm	20D
Min. Bend Radius（Static）	mm	10D
Operation Temperature	℃	-20～+60
Storage Temperature	℃	-20～+60

Fiber Cable system

outdoor soft cable for lift usage

Soft soft Cable for lift usage



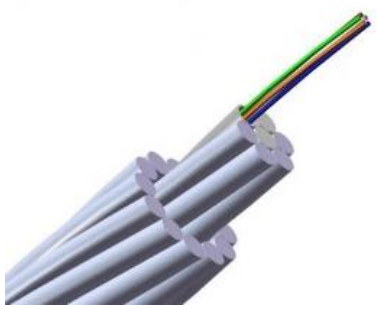


Cable Parameters

Items		Description
Number of fiber		6F
Fiber type		50/125 & 62.5/125
TightBuffer	Material	LSZH
	Color	Orange
	Diameter	0.9±0.05mm
Centralstrengthmember	Material	FRP
Strengthmember	Material	Kevlaryarn
Ripcord	Color	Red
Sub-Units	Material	LSZH
	Color	Orange
	Diameter	1.9±0.1mm
Outer sheath	Material	TPU
	Color	Black
	Diameter	8.5±0.5mm
Cable weight		57kg / km
InstallationTemperaturerange(℃)		-10+60
Storage/ TransportationTemperaturerange		-20+70
Operation temperature(℃)		-20+70
Min Bending Radius(mm)	Install	20D
Min Bending Radius(mm)	Static	15D
Max.Tension	Long term	400
	Short term	700
CrushLoad(N/100mm)		500

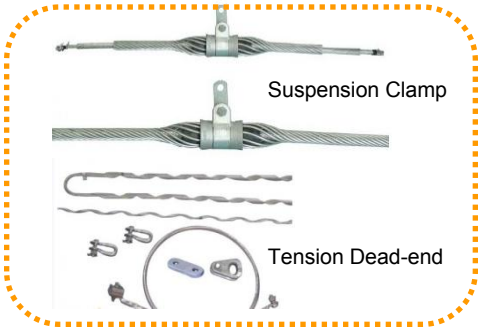
Fiber Cable system

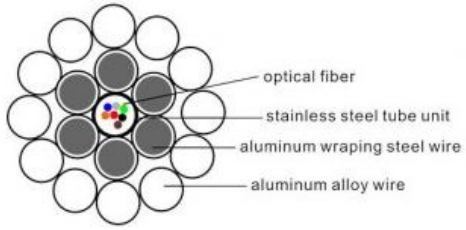
OPGW cable Ground Wire Wrapped Optical Fiber *Cable*



Application:

☆.OPGW cable is mainly used in 500KV, 220KV and 110KV lines, limited by power cut, security and other elements, mostly used in new lines. Its applications are: high pressure over 110kv, with a longer span (usually over 250M);
☆.Easy to maintain, easy for line span, its mechanical property can meet a big line span;
☆.Outer OPGW is metal armoring, with no influence for high pressure electro-corrosion and degradation;
☆.To construct OPGW must cut power, resulting in greater loss, thus OPGW must be used in constructing high pressure line over 110kv;
☆.For OPGW performance index, the more short circuit current, the more need a good conductor to be metal armor, and reduce tension strength, while, if the tension strength is certain, to increase short circuit current capacity, the only way is to enlarge metal section area, resulting in an increased cable Dia and weight, so that security is a question for line pole strength.





Superior Lightning Resistance
- Fewer Aluminium Alloy (AA) wires are needed to meet electrical specs
- More/Heavier duty ACS wires can be used
- AA wires can be completely replaced with ACS in some applications

Extruded Aluminium Core tube
- Good combination of crush and kink resistance
- Core tube can safely and easily be routed to closures without armour
- Easy access to optical core

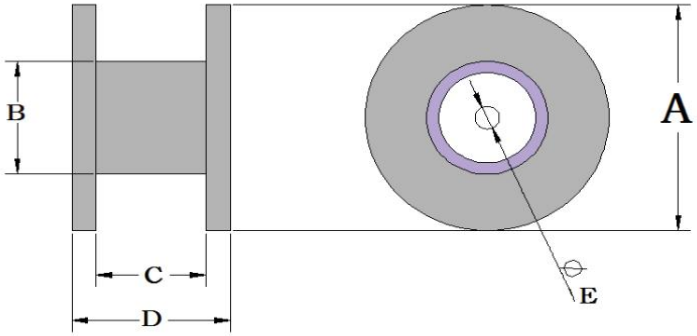
Superior Electrical Performance
- Aluminium core tube substantially increases conductor cross-section
- Improved short-circuit capacity

High performance. Even in High fibre Counts
- All fibres are housed in the core tube
- Core tubes are available in a wide range of Inside Diameters
- Armour wires are not replaced with fibre tubes in high count designs

Fiber Cable system

OPGW cable Ground Wire Wrapped Optical Fiber *Cable*

Drum dimension and weight



Material of drum: the composite drum of Steel and wood

O/N	Drum Length (m)	Drum QTY (m)	Drum Dimensions & Weights						
			A mm	B mm	C mm	D mm	E mm	Empty drum Weight (kg)	Drum Weight with cable(kg)
1	5000	41	1450	900	900	1100	105	145	Approx 2765
2	2000	1	1300	900	900	1100	105	115	Approx 1163

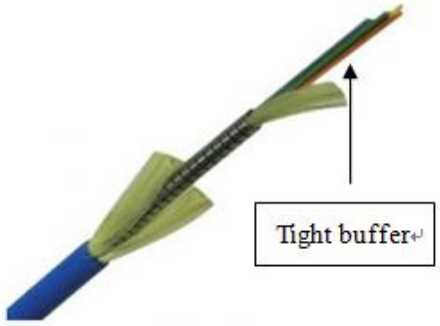
Remarks: All Sizes and Values are Nominal Values

production

Fiber Cable system

Spiral armoured cable

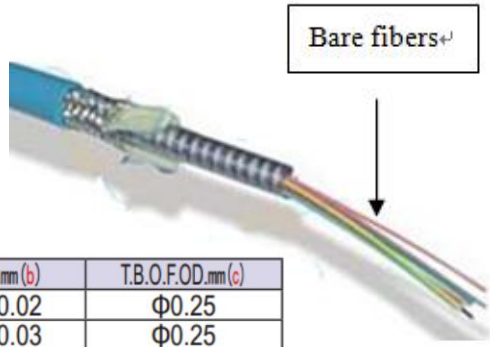
ROUND ARMORED FIBER OPTICAL CABLE



MULTI-FIBER TIGHT-BUFFERED ARMORED FIBER OPTICAL CABLE

FIBER COUNT	CABLE TYPE	CABLE OD.mm(a)	S.S.T.OD.mm(b)	T.B.O.F.OD.mm(c)
4	4.5GJFJKV-4S	Φ4.5±0.2	Φ2.4±0.02	Φ0.5
6	4.5GJFJKV-6S	Φ4.5±0.2	Φ2.6±0.03	Φ0.5
8	5.0GJFJKV-8S	Φ5.0±0.2	Φ2.8±0.05	Φ0.5
10	5.0GJFJKV-10S	Φ5.0±0.25	Φ3.0±0.05	Φ0.5
12	5.5GJFJKV-12S	Φ5.5±0.25	Φ3.2±0.05	Φ0.5
24	7.0GJFJKV-24S	Φ7.0±0.3	Φ4.3±0.05	Φ0.5

MULTI-FIBER Bare fiber ROUND ARMORED FIBER OPTICAL CABLE

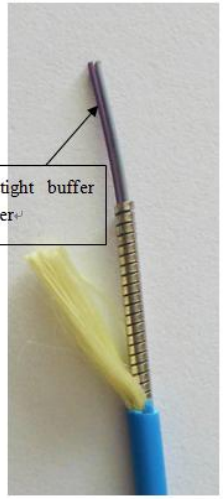


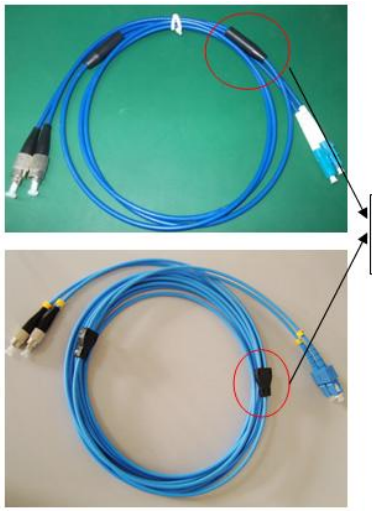
FIBER COUNT	CABLE TYPE	CABLE OD.mm(a)	S.S.T.OD.mm(b)	T.B.O.F.OD.mm(c)
12	3.0GJSJV-12S	Φ3.0±0.2	Φ2.0±0.02	Φ0.25
12	3.5GJSJV-12S	Φ3.5±0.2	Φ2.2±0.03	Φ0.25
12	4.2GJSJV-12S	Φ4.2±0.2	Φ2.2±0.05	Φ0.25

Fiber Cable system

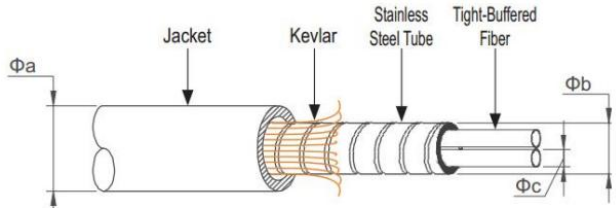
Spiral armoured cable

ROUND ARMORED FIBER OPTICAL CABLE





Duplex Round tight-buffered armored fiber optical cable



CABLE TYPE	CABLE OD.mm (a)	S.S.T.OD.mm (b)	T.B.O.F.OD.mm (c)
3.0GJFJKV	Φ3.0±0.2	Φ1.8±0.05	Φ0.5
3.5GJFJKV	Φ3.5±0.2	Φ1.8±0.05	Φ0.5
4.8GJFJKV	Φ4.8±0.2	Φ2.4±0.05	Φ0.9

Simplex

CABLE TYPE	CABLE OD.mm (a)	S.S.T.OD.mm (b)	T.B.O.F.OD.mm (c)
1.6GJFJKV	Φ1.6±0.1	Φ0.6±0.02	Bare Fiber0. 25
1.8GJFJKV	Φ1.8±0.1	Φ0.9±0.03	Φ0.5
2.0GJFJKV	Φ2.0±0.1	Φ0.9±0.03	Φ0.5
2.4GJFJKV	Φ2.4±0.1	Φ0.9±0.03	Φ0.5
2.8GJFJKV	Φ2.8±0.1	Φ0.9±0.03	Φ0.5
3.0GJFJKV	Φ3.0±0.1	Φ1.4±0.05	Φ0.9

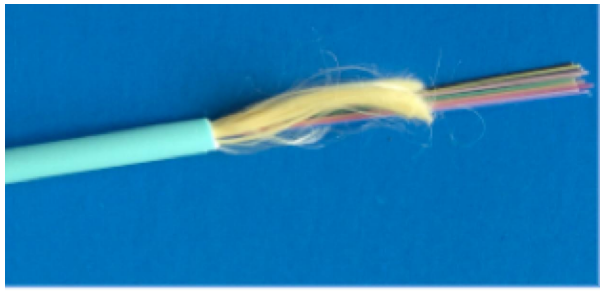
Zipcord duplex

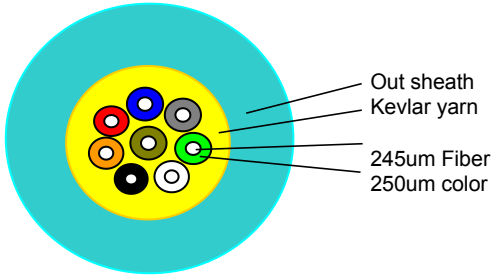
CABLE TYPE	CABLE OD.mm (a)	S.S.T.OD.mm (b)	T.B.O.F.OD.mm (c)
1.8GJFJKBV	Φ1.8±0.1	Φ0.9±0.03	Φ0.5
2.0GJFJKBV	Φ2.0±0.1	Φ0.9±0.03	Φ0.5
2.4GJFJKBV	Φ2.4±0.1	Φ0.9±0.03	Φ0.5
2.8GJFJKBV	Φ2.8±0.1	Φ0.9±0.03	Φ0.5
3.0GJFJKBV	Φ3.0±0.1	Φ1.4±0.05	Φ0.9

Fiber Cable system

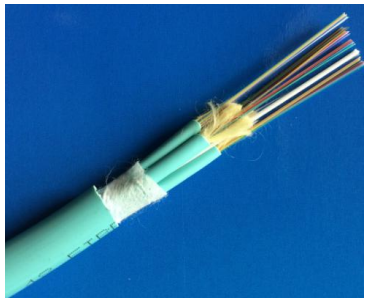
Indoor optic cable

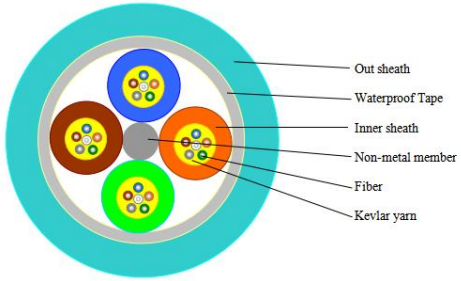
Mini cable 1~144core





1~12core,OD 2.0/3.0mm





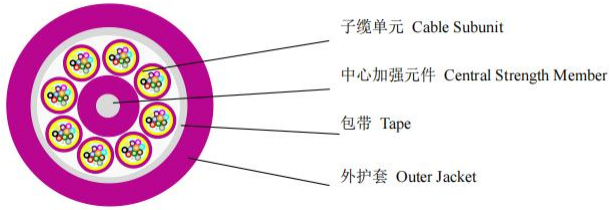
12~144core,subunit design

Application

- Adopted to indoor distribution.
- As pigtail of communication equipment
- Suitable for communication equipment servrd
- Can be installed conveniently and perated simply

Characteristics

- High strength kevlar yarn member
- Steel armored flexble tube increase the cable is twist resistance



96core mini cable,subunit design

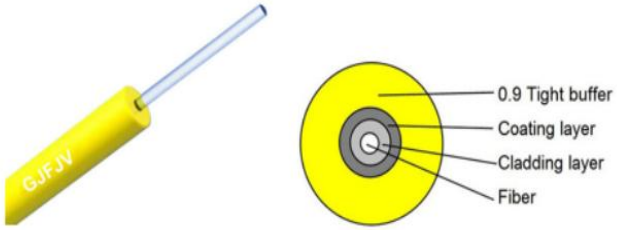
Technical parameter

CableCount	OutsideDiameter	Weight	Minimum allowable Tensile Strength(N)		minimum allowable Crush Load（N/100mm)		Minimum Bending Radius (MM)		Storage temperature
	（MM)	（KG)	short term	long term	short term	long term	short term	long term	（℃）
24	9. 50	54. 0	2000	1000	2000	1000	20D	10D	-20+60
48	9. 50	78. 0	2000	1000	2000	1000	20D	10D	-20+60
72	11. 5	90. 0	2000	1000	2000	1000	20D	10D	-20+60
96	12. 5	115. 0	2000	1000	2000	1000	20D	10D	-20+60
144	14. 5	135. 0	2000	1000	2000	1000	20D	10D	-20+60
288	14. 5	145. 0	2000	1000	2000	1000	20D	10D	-20+60

Fiber Cable system

Indoor invisable cable

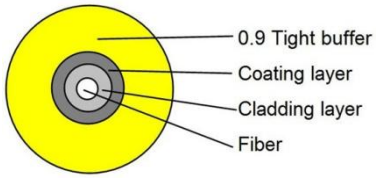
Invisable cable 0.9mm



Fiber Cable system

Indoor optic cable

Simplex 0.9mm



Application:

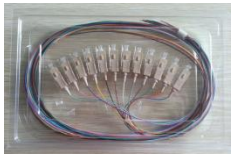
- Components for various indoor cables.
- Suitable for patch cords and ligtails.
- Suitable for communicaion equipment served.

Characteristics:

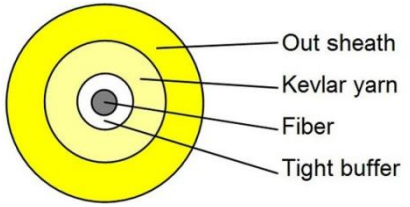
- Soft Easy to strip
- High quality tight buffered of Loose tube
- Excellent mechanical and environmental performance
- Small cable volume Ling weight

Technical Parameters

Cable Count	Outsheath Diameter	Weight	Minimumallowable TensileStrength（N）		Minimumallowable eCrush Load(N/100nm)		MinimumBendingRadius(MM)	
	(MM)	(kg)	Short term	Long term	Short term	Long term	Short term	Long term
1	0.9+/-0.05	0.90	100	50	100	80	20D	10D



Simplex 1.6-3.0mm



Application:

- Adopted to indoor distribution.
- As pigtail of communication equipment
- Suitable for communication equipment servrd
- Can be installed conveniently and perated simply

Characteristics:

- 0.9 tight buffer fiber
- High strength kevlar yarn member
- Steel armored flexble tube increase the cable is twist resistance

Technical Parameters

Cable Count	Out sheath Diameter	Weight	Minimum allowable Tensile Strength(N)		Minimum allowable Crush Load(N/100mm)		Minimum Bending Radius(MM)		Storage temperature
	(MM)	(KG)	Short term	Long term	Short term	Long term	Short term	Long term	℃
1	1.6	2.2	40	80	100	500	20D	10D	-20 to +60
1	1.8	3.0	40	80	100	500	20D	10D	
1	2.0	3.6	60	100	100	500	20D	10D	
1	2.4	5.0	60	100	100	500	20D	10D	
1	2.8	6.5	80	150	100	500	20D	10D	
1	3.0	7.4	80	150	100	500	20D	10D	

Fiber Cable system

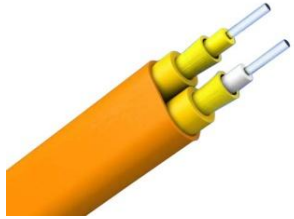
Indoor optic cable

Duplex 1.6-3.0mm cable

Duplex zipcord

Duplex zipcord armored

Duplex FlatTwin (RUGGEDISED)



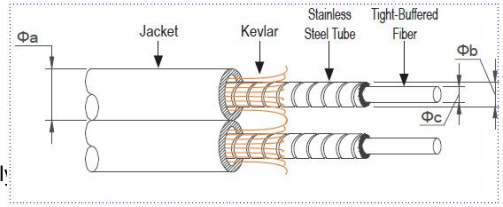
Round duplex cable

Application

- Adopted to indoor distribution.
- As pigtail of communication equipment
- Suitable for communication equipment servrd
- Can be installed conveniently and perated simply

Characteristics

- High strength kevlar yarn member
- High quality tight buffered or loose tube
- Soft and easy to strip
- Round construction



Feature

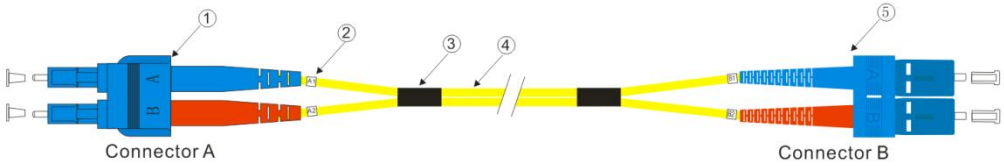
- Good mechanical and environmental characteristics
- Soft, flexible, Stable, easy to splice
- Flame retardant characteristics meet the requirements of relevant standards
- Improve existing function based on customers' various requirements

Application

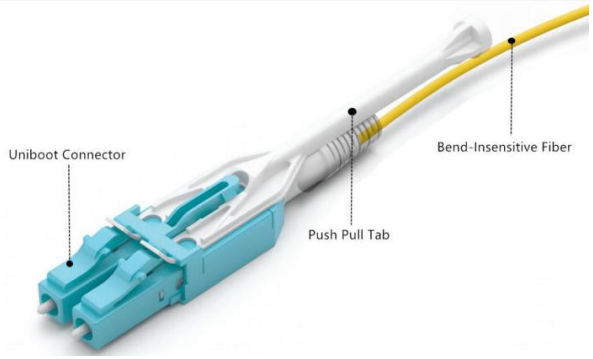
- Adopted to indoor distribution.
- As pigtail of communication equipment
- Suitable for communication equipment servrd
- Can be installed conveniently and perated simply

Characteristics

- Two singlt fiber as basic unit flat twin configuration
- Single cable with independent strength member
- Tight buffer



- Duplex zipcord Indoor cable,1.6*3.3mm,1.8*3.7mm,2.0*4.1mm,2.4mm*4.9mm,2.8*5.7mm,3.0*6.1mm
- Falt Twin duplex Indoor cable,2.8*4.8mm,3.0*5.0mm,4.0*7.0mm
- Round duplex cable : OD2mm, OD3mm .OD4mm Apply with uniboot connector



Fiber Cable system

Indoor optic cable

Duplex 1.6-3.0mm cable

Type -I

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

Note: 1. All the values provided in the table, which are for your reference, are subject to change without notice;
2. The cable dimension and weight are in accordance with tight-buffered fiber withφ0.9mm outer diameter;
3. D is outer diameter of the round cable;
4. The minimum bend radius (static) is 5D when G.657 fiber is used.

Application

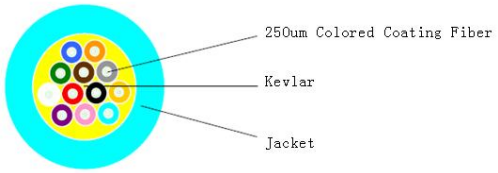
- Used in indoor cabling, especially used as distribution cable;
- Used as interconnect lines of equipments, and used in optical connections in optical communication equipment rooms and distribution frames;
- Used in pigtails and patch cords.

Features

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

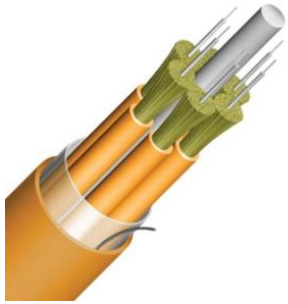
Type -II

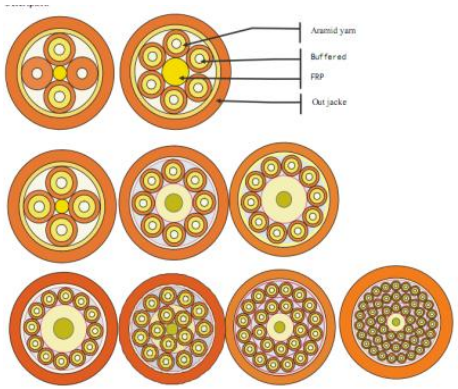
Dry Structure Indoor Cable / micro-distribution cable 12-24fiber



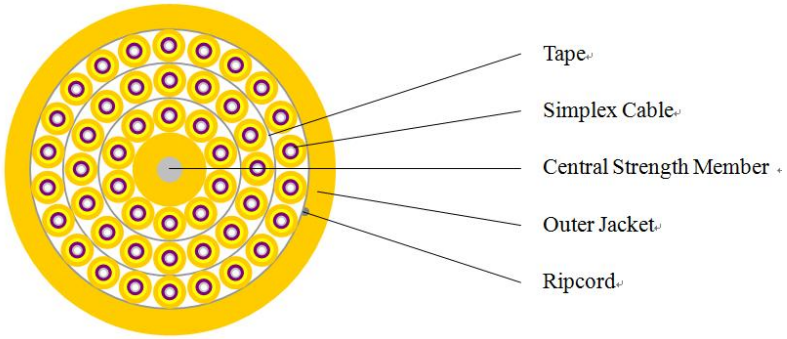
Fiber Cable system

Breakout cable 2.0/3.0m





Indoor optic cable



Application

- Adopted to indoor distribution.
- As pigtail of communication equipment
- Suitable for communication equipment servrd
- Can be installed conveniently and perated simply

Characteristics

- High strength kevlar yarn member
- Steel armored flexble tube increase the cable is twist resistance

Model	Fiber account	OD (mm)	Nominal Weight(kg /km)	Max. Tension (N)		Max. Crushing Resistance (N/100)	
				Short-term	Long-term	Short-term	Long-term
GJFHJV(Y)	2	7.5+-0.5	50	400	120	1000	300
GJFHJV(Y)	4	7.5+-0.5	51	400	120	1000	300
GJFHJV(Y)	6	9.0+-0.5	68	700	200	1000	300
GJFHJV(Y)	8	10.5+-0.5	88	800	250	1000	300
GJFHJV(Y)	10	11.5+-0.5	102	1000	300	1000	300
GJFHJV(Y)	12	12.5+-0.5	128	1200	400	1000	300
GJFHJV(Y)	16	13.0+-0.5	168	1200	400	1000	300
GJFHJV(Y)	24	15.5+-0.5	198	1200	400	1000	300
GJFHJV(Y)	48	20+-0.5	246	1800	600	1000	300

14Years

Manufacturer&Supplier of Professional Fiber Optic Cabling System

Thank you for your reading!

深圳威尔特通信科技有限公司

2023 VERSION

Add: 2rd floor, 2 Building,Jingheyuan Industry Park,No.2004 Xuegang Road, Bantian Street, Longgang District, Shenzhen, China

Tel: 86-755-28461866 Fax: 86-755-28461781

Website: http://www.wirenetfiber.cn