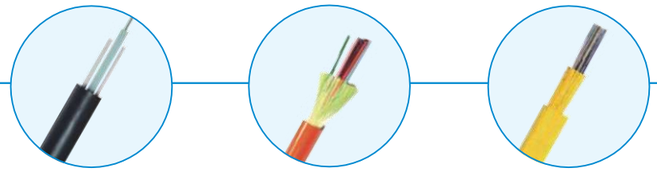
CATALOGUE
FIBER OPTIC CABLE



TOTALPLAY SAS

Exclusive Representative of OPF Technology Ltd for COLOMBIA

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ABOUT OPF

COMPANY INFORMATION

OPF Technology Ltd. Is a professional hi-tech fiber optic company engaged in R&D, manufacture, and distribution. With 15 years' experiences in passive production of fiber optic components and developed for FTTX solution.OPF ensure the reliable stabilities of high quality and excellent performances of the products. OPF obtains the good reputations all these years from customers around the world for its short lead-time, fast delivery, and timely after-services.

MAIN PRODUCT

PASSIVE COMPONENT: Optic patch cord, connector, adapter, attenuator, optic splitter.
OPTIC CABLE: optical indoor cable, optical outdoor cable, special cable.
CABLE MANAGEMENT: Patch panel, Wall-box, Dome and Inline closure.
ACTIVE COMPONENT: media converter, optical transceiver.

SERVICE

Adhering to the business guideline of innovative, down-to-earth, honesty, and passionate services, our company will continue to provide customers with quality products and satisfactory after-sale service timely. We wish to create better future of optical communication industry jointly with both new and existing customers.

Catalogue

FIBER OPTIC CABLE（OUTDOOR CABLE）

FIBER OPTIC CABLE（INDOOR CABLE）

FIBER OPTIC CABLE（SPECIAL CABLE）

FIBER OPTIC CABLE
OUTDOOR CABLE

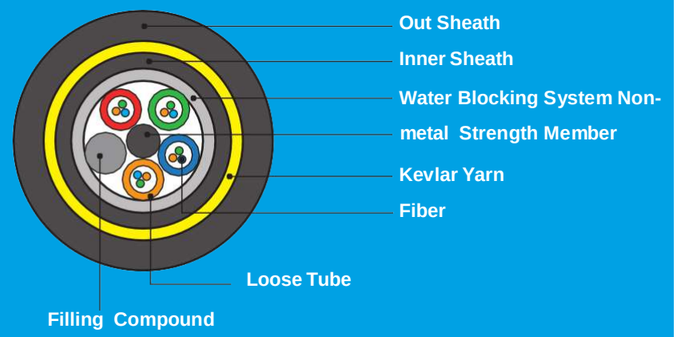
ALL DIELECTRIC SELF-SUPPORTING AERIAL CABLE (ADSS)

▪ CHARACTERISTIC

- Can be installed without shutting off the power.
- Light weight, less additional load to tower, the maximum span can reach 1500m.
- Aramid yarns armored provides excellent strain up to 90KN.
- Non metallic structure provides good installation .
- Excellent tracking resistant performance.

▪ APPLICATION

- Network in high electromagnetic interfering places.
- Suitable for aerial, long distance and local area network communication.



Technical data(for 24 F,800 span)						
Weather condition:35m/s wind speed and 0mm ice thickness						
Fiber Num.		Outer diameter (mm)	Module (N/mm2)	Linear expanding coefficient(1/k)	Wight (kg/km)	Safely running strain(N)
24	800	15.5	2.86x104	0.02x10-6	200	29680
Weather condition:35m/s wind speed and 0mm ice thickness						
Fiber Num.		Outer diameter (mm)	Module (N/mm2)	Linear expanding coefficient(1/k)	Wight (kg/km)	Safely running strain(N)

OPF
Professional Solution

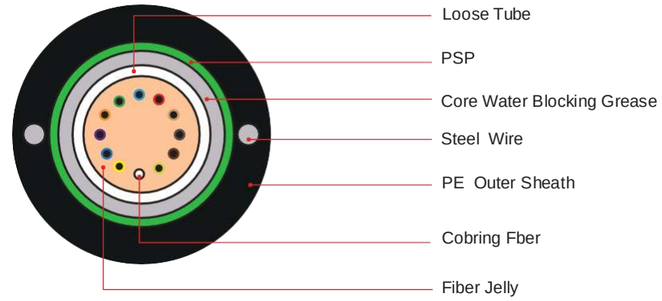
UNITUBE LIGHT-ARMORED CABLE (GYXTW)

▪ APPLICATION

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

▪ CHARACTERISTIC

- Good mechanical and temperature performance.
- Good crush resistance, water blocking and flexibility.
- Steel-wire parallel member, filler protect tube fiber, steel tape armord.
- Compact structure, light weight,can be installed conveniently and operated simply.



Geometrical Characteristics		Fiber	
Cable Type	2-12	Fiber Type(core/cladding dimension)	9 /125, 50/125, 62.5/125
Cable Dimension (mm)	9.8	**Environmental Characteristics**	
Cable Weight(kg/km)	110	Storage Operating Temperature	-40℃～ +70℃
Mechanical Characteristics			
Tensile strength (N)	Long Term	600	
	Short Term	1500	
Crush Resistance(N/100mm)	Long Term	300	
	Short Term	1000	
Bending Radius(mm)	Dynamic	200	
	Static	100	
Transmission Characteristics			
	SMF	50/125	62.5/125
	1310/1550(nm)	850/1300(nm)	850/1300(nm)
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500

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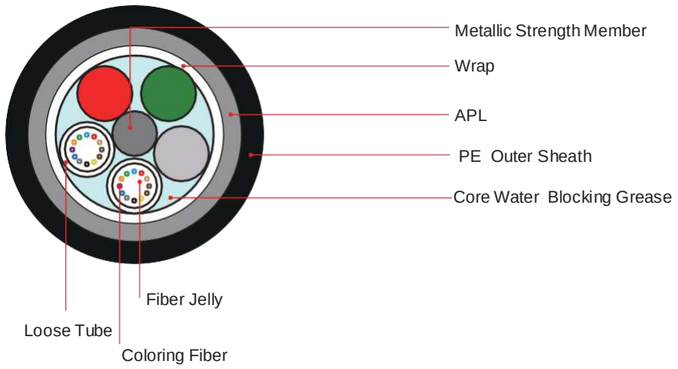
STRANDED LOOSE TUBE NON-ARMORED CABLE (GYTA)

▪ APPLICATION

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

▪ CHARACTERISTIC

- Good mechanical and temperature performance.
- Good crush resistance, water blocking and flexibility.
- Steel-wire parallel member,filler protect tube fiber, steel tape armord.
- Good moisture-resistance.



Geometrical Characteristics		Fiber	
Cable Type	2-60	Fiber Type(core/cladding dimension)	9 /125, 50/125, 62.5/125
Cable Dimension (mm)	11.2	**Environmental Characteristics**	
Cable Weight(kg/km)	100	Storage Operating Temperature	-40℃～ +70℃
Mechanical Characteristics			
Tensile strength (N)	Long Term	600	
	Short Term	1500	
Crush Resistance(N/100mm)	Long Term	300	
	Short Term	1000	
Bending Radius(MM)	Dynamic	224	
	Static	112	
Transmission Characteristics			
	SMF	50/125	62.5/125
	1310/1550(nm)	850/1300(nm)	850/1300(nm)
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500

FIBER OPTIC CABLE ≫ OUTDOOR CABLE
Professional Solution

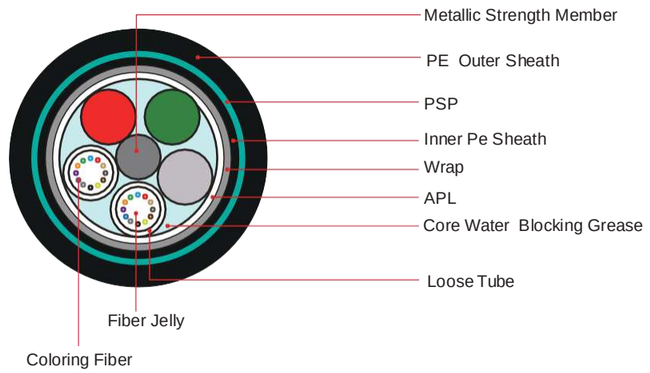
STRANDED LOOSE TUBE ARMORED CABLE (GYTA53)

▪ APPLICATION

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

▪ CHARACTERISTIC

- Good mechanical and temperature performance.
- Good crush resistance, water blocking and flexibility.
- Steel wire strength, filler protect tube fiber, steel tape armored.
- Good ultra violet radiation resistant property.
- Good moisture-resistance.



Geometrical Characteristics		Fiber	
Cable Type	2-60	Fiber Type(core/cladding dimension)	9 /125, 50/125, 62.5/125
Cable Dimension (mm)	13.5	**Environmental Characteristics**	
Cable Weight(kg/km)	235	Storage Operating Temperature	-40℃～ +70℃
Mechanical Characteristics			
Tensile strength (N)	Long Term	600	
	Short Term	1500	
Crush Resistance(N/100mm)	Long Term	300	
	Short Term	1000	
Bending Radius(MM)	Dynamic	270	
	Static	135	
Transmission Characteristics			
	SMF	50/125	62.5/125
	1310/1550(nm)	850/1300(nm)	850/1300(nm)
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500

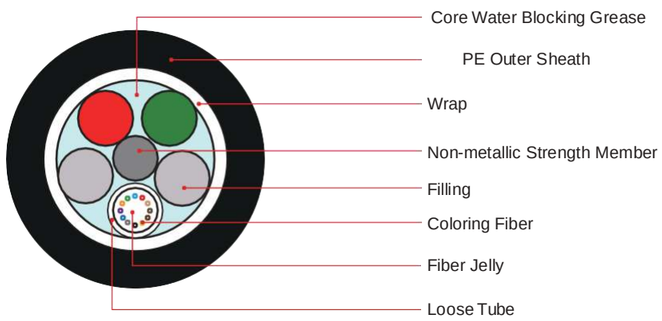
STRANDED LOOSE TUBE NON-ARMORED CABLE (GYFTY)

▪ APPLICATION

- Adopted to outdoor distribution, trunk power transmission system.
- Access network and local network in high electromagnetic interfering places.

▪ CHARACTERISTIC

- Good mechanical and temperature performance.
- Good crush resistance, water blocking and flexibility.
- Non-metal strength member,with excellent anti-electromagnet ability.
- Filler protect loose tube fiber.



Geometrical Characteristics		Fiber	
Cable Type	2-60	Fiber Type(core/cladding dimension)	9 /125, 50/125, 62.5/125
Cable Dimension (mm)	10.4	**Environmental Characteristics**	
Cable Weight(kg/km)	100	Storage Operating Temperature	-40℃～ +70℃
Mechanical Characteristics			
Tensile strength (N)	Long Term	600	
	Short Term	1500	
Crush Resistance(N/100mm)	Long Term	300	
	Short Term	1000	
Bending Radius(MM)	Dynamic	208	
	Static	104	
Transmission Characteristics			
	SMF	50/125	62.5/125
	1310/1550(nm)	850/1300(nm)	850/1300(nm)
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500

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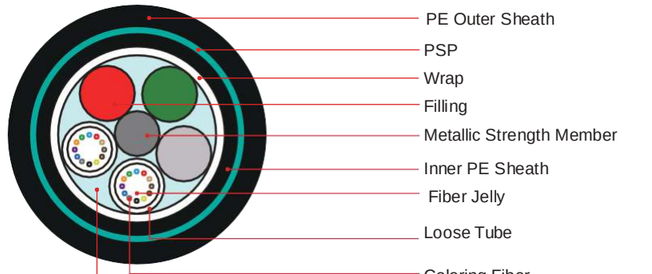
STRANDED LOOSE TUBE ARMORED CABLE (GYTY53)

▪ APPLICATION

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

▪ CHARACTERISTIC

- Good mechanical and temperature performance.
- Good crush resistance, water blocking and flexibility.
- Steel wire strength, filler protect tube fiber, steel tape armored.
- Good ultra violet radiation resistant property.
- Good moisture-resistance.



Geometrical Characteristics		Fiber	
Cable Type	2-60	Fiber Type(core/cladding dimension)	9 /125, 50/125, 62.5/125
Cable Dimension (mm)	12.5	**Environmental Characteristics**	
Cable Weight(kg/km)	235	Storage Operating Temperature	-40℃～ +70℃
Mechanical Characteristics			
Tensile strength (N)	Long Term	600	
	Short Term	1500	
Crush Resistance(N/100mm)	Long Term	300	
	Short Term	1000	
Bending Radius(MM)	Dynamic	250	
	Static	125	
Transmission Characteristics			
	SMF	50/125	62.5/125
	1310/1550(nm)	850/1300(nm)	850/1300(nm)
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500

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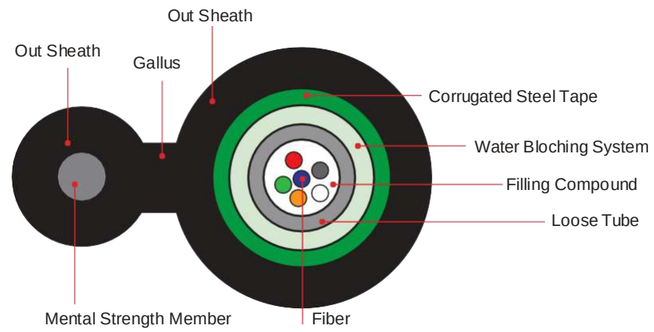
FIGURE 8 SELF-SUPPORTING CENTRAL TUBE OPTIC CABLE (GYXTC8S)

▪ CHARACTERISTIC

- The loose tube is centrally situated with good excess length and minimizes the influence of lateral crush.
- Water blocking tape provides water tight property.
- Corrugated steel tape armored and PE outer sheath provide property crush resistance.
- Cross-section shows figure 8, stranded wires as self supporting member providing excellent strain performance and convenient installation.

▪ APPLICATION

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



Environmental Characteristics		Fiber	
Storage Operating Temperature	-40℃～ +70℃	Fiber Type(core/cladding dimension)	9 /125, 50/125, 62.5/125
Geometrical Characteristics			
Cable Count	2-12		
Cable Dimension (mm)	7.2		
Cable Weight(kg/km)	94		
Mechanical Characteristics			
Tensile strength (N)	Long Term	600	
	Short Term	1500	
Crush Resistance(N/100mm)	Long Term	600	
	Short Term	1500	
Bending Radius(MM)	Dynamic	10D	
	Static	20D	
Transmission Characteristics			
	SMF	50/125	62.5/125
	1310/1550(nm)	850/1300(nm)	850/1300(nm)
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500

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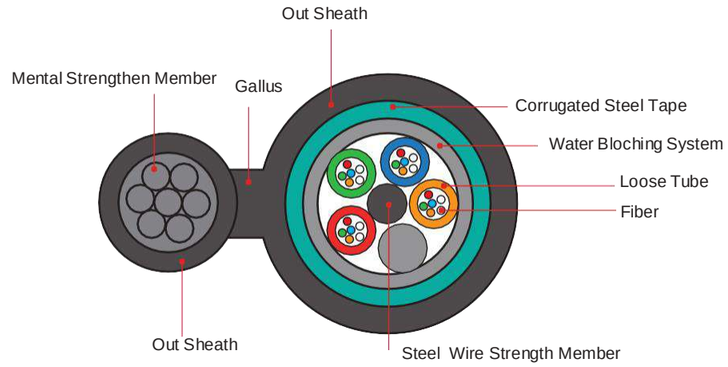
FIGURE 8 SELF-SUPPORTING CABLE (GYTC8S)

▪ CHARACTERISTIC

- The loose tube stranding technology make the fibers have good secondary excess length and allow the fibers free movement in the tube, which keeps the fiber stress-free while the cable is subjected to longitudinal stress.
- Corrugated steel tape armored and PE outer sheath provide property crush resistance. Cross-section shows figure 8.
- Stranded wires as self supporting member providing excellent strain performance and convenient installation.

▪ APPLICATION

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



Environmental Characteristics		Fiber	
Storage Operating Temperature	-40℃～ +70℃	Fiber Type(core/cladding dimension)	9 /125, 50/125, 62.5/125
Geometrical Characteristics			
Cable Count	24-72		
Cable Dimension (mm)	14.5-15.5		
Cable Weight(kg/km)	210-245		
Mechanical Characteristics			
Tensile strength (N)	Long Term	1000	
	Short Term	3000	
Crush Resistance(N/100mm)	Long Term	1000	
	Short Term	3000	
Bending Radius(MM)	Dynamic	20times cable diameter	
	Static	10times cable diameter	
Transmission Characteristics			
	SMF	50/125	62.5/125
	1310/1550(nm)	850/1300(nm)	850/1300(nm)
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500

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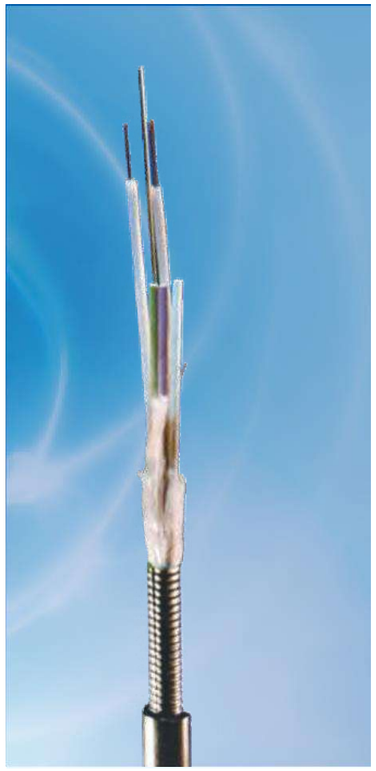
STRANDED LOOSE TUBENON-ARMORED CABLE (GYTS)

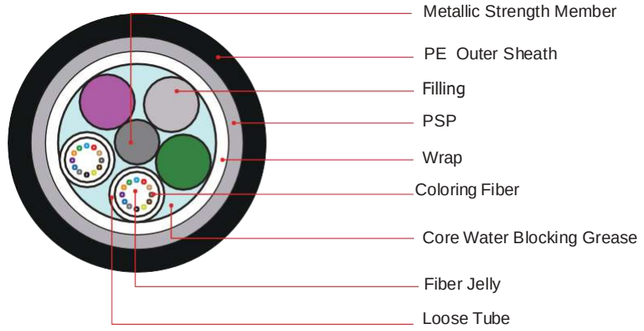


▪ APPLICATION

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

▪ CHARACTERISTIC

- Good mechanical and temperature performance.
- Good crush resistance, water blocking and flexibility.
- Steel-wire strength, filler protect tube fiber, steel tape armord.
- Good ultra violet radiation resistant property.
- Good moisture-resistance.



Geometrical Characteristics		**Fiber**	
Cable Type	2-60	Fiber Type(core/cladding dimension)	9 /125, 50/125, 62.5/125
Cable Dimension (mm)	11.2	**Environmental Characteristics**	
Cable Weight(kg/km)	100	(Storage Operating Temperature)	-40℃～ +70℃
Mechanical Characteristics			
Tensile strength (N)	Long Term	600	
	Short Term	1500	
Crush Resistance(N/100mm)	Long Term	300	
	Short Term	1000	
Bending Radius(MM)	Dynamic	224	
	Static	112	
Transmission Characteristics			
	SMF	50/125	62.5/125
	1310/1550(nm)	850/1300(nm)	850/1300(nm)
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500

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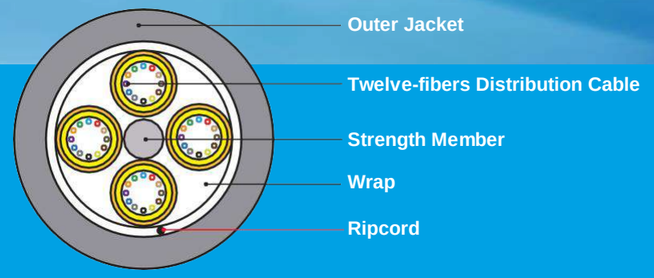
FIBER OPTIC CABLE
INDOOR CABLE

BREAK-OUT CABLEIII

▪ ELEMENT

Tight buffer fiber, used six、twelve core distribution cable for the subunit into a compact, than used wrap winding, the cable is completed with outer jacket.



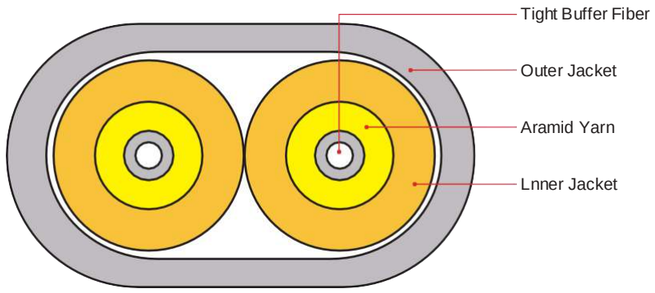
Geometrical Characteristics						
Cable Type	24	48	64	72	96	144
Subunit Fiber Number	6	12	8	12	12	12
Cable Dimension (mm)	15.5	17	21.6	21	24	26.2
Cable Weight(kg/km)	225	226	386	349	481	526
TBF Diameter(μm)	900±50					
Mechanical Characteristics						
Tensile strength (N)	Long Term	200				
	Short Term	660				
Crush resistance（N/100㎜）	Long Term	300				
	Short Term	1000				
Bending Radius(CM)	Dynamic	20×D (D: Cable Diameter)				
	Static	10×D (D: Cable Diameter)				
Transmission Characteristics						
	SMF	50/125			62.5/125	
	1310/1550(nm)	850/1300(nm)			850/1300(nm)	
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5			≤3.5/1.5	
Minimum Bandwidth(MHz•km)	——	≥400/400			≥160/500	
Environmental Characteristics		**Fiber**				
Storage Operating Temperature	-20℃～ +60℃	Fiber Type(core/cladding dimension)			8.3/125, 50/125, 62.5/125	

▪ APPLICATIONS

- Duplex optical fiber jumper or pigtail.
- Indoor riser level and plenum level cable distribution.
- Interconnect between instruments, communication equipments.

▪ CHARACTERISTIC

- 1 or 2 cable, soft flame-retardant jacket.
- Excellent stripping performance of tight buffer fiber.
- Suited to SM fiber and MM fiber.
- Tight buffer (900μm or 600μm).
- Aramid yarn as strength member makes cable have excellent tensile strength.
- All dielectric structure protect it from electromagnetic influence.
- Scientific design with serious processing art.



Environmental Characteristics		Fiber		
Storage Operating Temperature	-20℃～ +60℃	Fiber Type(core/cladding dimension)		9 /125, 50/125, 62.5/125
Geometrical Characteristics				
Cable Type	φ3.0	φ2.4	φ2.0	φ1.8
Cable Dimension (mm)	4.00±0.1/6.60±0.2	3.6±0.1/6.0±0.2		2.8±0.1/4.6±0.2
Cable Weight(kg/km)	17	12	9	8
TBF Diameter(μm)	900±50	600±50		
Mechanical Characteristics				
Tensile strength (N)	Long Term	100		
	Short Term	200		
Crush resistance（N/100 ㎜）	Long Term	100		
	Short Term	500		
Bending Radius(CM)	Dynamic	20×H (H: Cable Axis)		
	Static	10×H (H: Cable Axis)		
Transmission Characteristics				
	SMF	50/125	62.5/125	
	1310/1550(nm)	850/1300(nm)		
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5	
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500	

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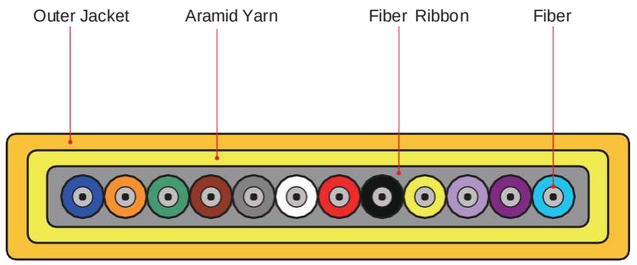
FLAT FIBER RIBBON CABLE (GJDFJV)

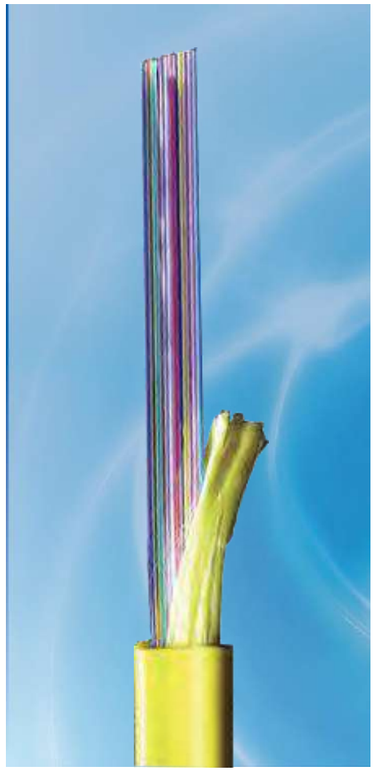
▪ APPLICATIONS

- Ribbon optical fiber jumper and pigtail.
- Indoor cable distribution for any purpose.
- Interconnect between optical fiber cable distribution equipment.

▪ CHARACTERISTIC

- Fiber ribbon, aramid yarn, soft flame-retardant jacket.
- Suited to SM fiber.
- Aramid yarn as strength member makes cable have excellent tensile strength.
- Compact structure with high fiber density, good performance of flexibility and crush resistance.
- All dielectric structure protect it from electromagnetic influence.
- Scientific design with serious processing art.





Geometrical Characteristics		
Cable Type	4、6	8、12
Cable Dimension (mm)	(2.4±0.2)×(3.3±0.2)	(2.4±0.2)×(5.0±0.2)
Cable Weight(kg/km)	6.8	9.4
Coloring Fiber Diameter(μm)	250±5	
Mechanical Characteristics		
Tensile strength (N)	Long Term	60
	Short Term	100
Crush resistance（N/100 ㎜）	Long Term	100
	Short Term	500
Bending Radius(CM)	Dynamic	20×H (H: Cable Axis)
	Static	10×H (H: Cable Axis)
Fiber		
Fiber Type(core/cladding dimension)		8.3/125
Transmission Characteristics		
Attenuation(dB/km)	≤0.40/0.30	SMF
Minimum Bandwidth(MHz•km)	——	1310/1550(nm)
Environmental Characteristics		
Storage Operating Temperature	-20℃～ +60℃	

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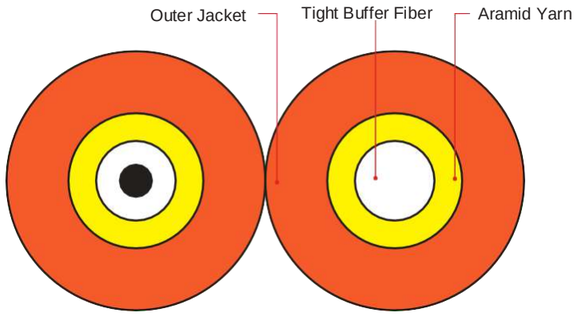
ZIPCORD DUPLEX FIBER OPTIC CABLE (GJFJ8V)

▪ APPLICATION

- Adopted to indoor distribution, as pigtail of communication equipment.
- Suitable for communication equipment served.
- Can be installed conveniently and operated simply.

▪ CHARACTERISTIC

- 900μm or 600μm tight buffer fiber, aramid yarn, Soft flame-retardant jacket.
- Excellent stripping performance of tight buffer fiber.
- Suited to SM fiber and MM fiber (50μm and 62.5μm).
- High strength Kevlar yarn member.
- High quality tight buffered or loose tube.
- Soft and easy to strip.
- Round construction.



Environmental Characteristics			Fiber	
Storage Operating Temperature		-20℃～ +60℃	Fiber Type(core/cladding dimension)	9 /125, 50/125, 62.5/125
Geometrical Characteristics				
Cable Type	φ3.0	φ2.0	φ1.8	φ1.6
Cable Dimension (mm)		1.95±0.1/4.0±0.2	1.80±0.1/3.7±0.2	1.65±0.1/3.6±0.2
Cable Weight(kg/km)	14	8	7.8	7.6
TBF Diameter(μm)	900±50	600±50		
Mechanical Characteristics				
Tensile strength (N)	Long Term	100		
	Short Term	200		
Crush resistance（N/100㎜）	Long Term	100		
	Short Term	500		
Bending Radius(CM)	Dynamic	20×H (H: Cable Axis)		
	Static	10×H (H: Cable Axis)		
Transmission Characteristics				
	SMF	50/125	62.5/125	
		850/1300(nm)	850/1300(nm)	
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5	
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500	

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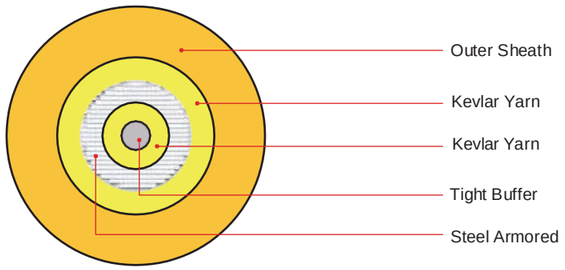
SINGLE-FIBER ARMORED INDOOR CABLE

▪ APPLICATION

- Lay out directly optical cable along with indoor wall, ceil, interlayer and conduit connection.
- Indoor level wiring, vertical wiring inside building.
- Oilfield, mining operation, rada communication transmission.

▪ CHARACTERISTIC

- Being protected by armored micro stainless steel soft pipe, it can resist more 300N of crushed force.
- Being strengthened by imported aramid fiber, its tensile strength may reach to more 200N.
- Fire retardant PVC/LSZH/PE/TPU, etc outer jacket can be chosen, conform to UL, RoHS etc.
- Standard optical cable outer diameter,compact,light,high integration level.



Environmental Characteristics		Fiber	
Storage Operating Temperature	-20℃～ +60℃	Fiber Type(core/cladding dimension)	9 /125, 50/125, 62.5/125
Geometrical Characteristics			
Optical fiber core number	1	2	
Cable Dimension (mm)	3±0.1	3.3±0.1	
Mechanical Characteristics			
Tensile strength (N)	Long Term	150	
	Short Term	300	
Crush resistance（N/100 ㎜）	Long Term	3000	
	Short Term	4000	
Bending Radius(CM)	Dynamic	60D	
	Static	30D	
Transmission Characteristics			
	SMF	50/125	62.5/125
	1310/1550(nm)	850/1300(nm)	850/1300(nm)
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500

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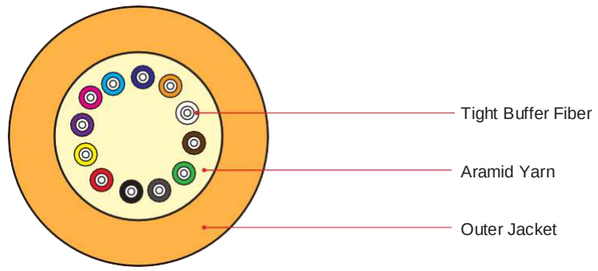
DISTRIBUTION CABLE

▪ DESCRIPTION

Excellent characteristics, content with different requirement indoor,Include: buildings、lift well、FTTD. It can supply bandwidth, transmission speech、data、TV and image.

▪ CHARACTERISTIC

- Excellent stripping performance of tight buffer fiber.
- Cable diameter and bending radius small, it cans installation freely in narrow room.
- small diameter、light weight、flexibility.
- So it Is easy to installation、maintenance and manage.



Environmental Characteristics			Fiber				
Storage Operating Temperature	-20℃～ +60℃		Fiber Type(core/cladding dimension)			9/125, 50/125, 62.5/125	
Geometrical Characteristics							
Cable Type	2	4	6	8	12	16	24
Cable Dimension (mm)	5.0±0.2	5.1±0.2	5.3±0.2	5.9±0.2	6.6±0.2	7.5±0.3	8.5±0.5
Cable Weight(kg/km)	19	21	23	28	34	46	57
TBF Diameter(μm)	900±50						
Mechanical Characteristics							
Tensile strength (N)	Long Term	200					
	Short Term	660					
Crush resistance（N/100 ㎜）	Long Term	300					
	Short Term	1000					
Bending Radius(CM)	Dynamic	20×D (D: Cable Diameter)					
	Static	10×D (D: Cable Diameter)					
Transmission Characteristics							
	SMF	50/125	62.5/125				
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5				
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500				

FIBER OPTIC CABLE ≫ INDOOR CABLE
OPF
Professional Solution

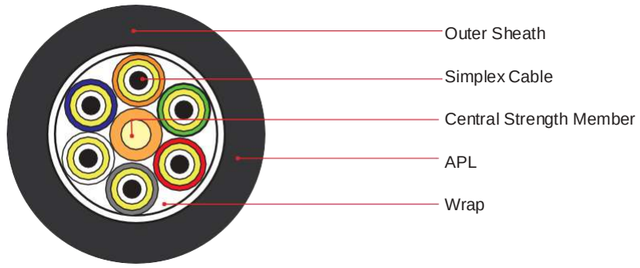
WATERPROOF CABLE

▪ DESCRIPTION

Element: simplex cable, two to twelve simplex cables are stranded around the metallic central strength member, arrange circuit according to clockwise order in turn, than used wrap winding, the APL is Longitudinal covering, the cable is completed with outer sheath.

▪ CHARACTERISTIC

- Sheath mechanical and physics performance.
- Content correlative standard request.
- Simplex cable outer diameter is on request.



Environmental Characteristics		Fiber		
Storage Operating Temperature	-20℃～ +60℃	Fiber Type(core/cladding dimension)		9/125, 50/125, 62.5/125
Geometrical Characteristics				
Cable Type	1-4	6	8	12
Cable Dimension (mm)	11.6	11.6	13.0	15.0
Cable Weight(kg/km)	109	106	125	181
TBF Diameter(μm)	900±50			
Mechanical Characteristics				
Tensile strength (N)	Long Term	200		
	Short Term	660		
（N/100 ㎜）				
Crush resistance（N/100 ㎜）	Long Term	300		
	Short Term	1000		
(CM)				
Bending Radius(CM)	Dynamic	20×D (D: Cable Diameter)		
	Static	10×D (D: Cable Diameter)		
Transmission Characteristics				
	SMF	50/125	62.5/125	
	1310/1550(nm)	850/1300(nm)		
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5	
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500	

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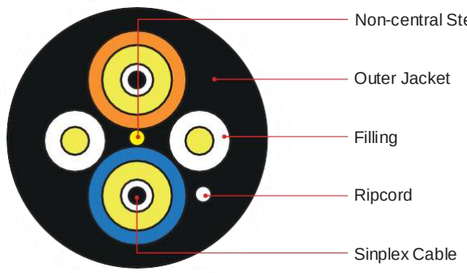
05

Professional Solution

Break-out Cable Ⅰ

▪ ELEMENT

Simplex cable, some simplex cable are stranded around the non-metallic central strength member.



Environmental Characteristics		Fiber	
Storage Operating Temperature	-20℃～ +60℃	Fiber Type(core/cladding dimension)	9 /125, 50/125, 62.5/125
Geometrical Characteristics			
Cable Type	2		
Cable Dimension (mm)	7.0		
Cable Weight(kg/km)	40		
TBF Diameter(μm)	900±50		
Mechanical Characteristics			
Tensile strength (N)	Long Term	200	
	Short Term	660	
Crush resistance（N/100㎜）	Long Term	300	
	Short Term	1000	
Bending Radius(CM)	Dynamic	20×D (D: Cable Diameter)	
	Static	10×D (D: Cable Diameter)	
Transmission Characteristics			
	SMF	50/125	62.5/125
	1310/1550(nm)	850/1300(nm)	850/1300(nm)
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500

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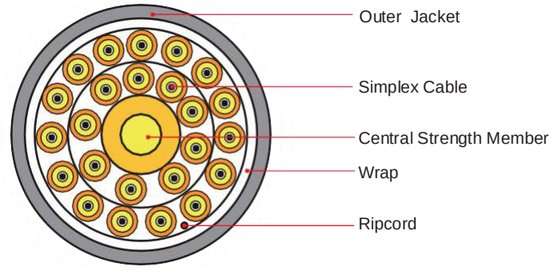
FIBER OPTIC CABLE ≫ INDOOR CABLE

Professional Solution

Break-out Cable Ⅰ Ⅰ

▪ ELEMENTS

Simplex cable some simplex cable are stranded around the non-metallic central strength member.



Environmental Characteristics		Fiber	
Storage Operating Temperature	-20℃～ +60℃	Fiber Type(core/cladding dimension)	9 /125, 50/125, 62.5/125
Geometrical Characteristics			
Cable Type	2. 4	6 8 12 14 16 18 20 24 30 32 34 36 48	
Cable Dimension (mm)	7.0	8.1 9.8 12.3 10.9 12.2 12.2 12.5 14.0 15.7 16.0 16.0 16.0 19	
Cable Weight(kg/km)	45	62 84 138 101 123 123 137 170 222 215 215 215 350	
Simplex Cable Diameter(mm)	1.95±0.05		
TBF Diameter(μm)	900±50		
Mechanical Characteristics			
Tensile strength (N)	Long Term	200	
	Short Term	660	
Crush resistance（N/100㎜）	Long Term	300	
	Short Term	1000	
Bending Radius(CM)	Dynamic	20×D (D: Cable Diameter)	
	Static	10×D (D: Cable Diameter)	
Transmission Characteristics			
	SMF	50/125	62.5/125
	1310/1550(nm)	850/1300(nm)	850/1300(nm)
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500

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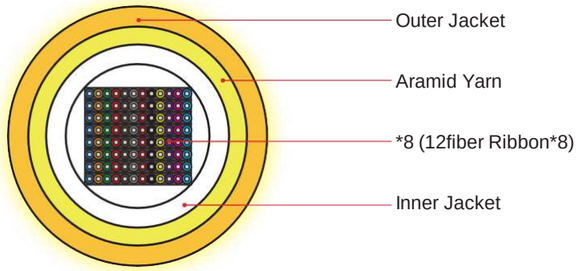
ROUND RIBBON CABLE

CHARACTERISTIC

- Fiber ribbon, aramid yarn, soft flame-retardant jacket Suited to SM fiber.
- Flexible,easy to peel off,Small band radius.
- Adopted to indoor distribution
- As pigtail of communication equipment.
- Suitable for communication equipment .



Environmental Characteristics		Fiber	
Storage Operating Temperature	-20℃～ +60℃	Fiber Type(core/cladding dimension)	9 /125
Geometrical Characteristics			
Cable Type	72	96	
Cable Dimension (mm)	13	11.5	
（Fiber Ribbon Number）	6	12	
Cable Weight(kg/km)	126	120	
Coloring Fiber Diameter(μm)	260±5		
Mechanical Characteristics			
Tensile strength (N)	Long Term	200	
	Short Term	660	
Crush resistance（N/100 ㎜）	Long Term	200	
	Short Term	1000	
Bending Radius(CM)	Dynamic	20×D (D: Cable Diameter)	
	Static	10×D (D: Cable Diameter)	
Transmission Characteristics			
	SMF		
	1310/1550(nm)		
Attenuation(dB/km)	≤0.40/0.30		
Minimum Bandwidth(MHz•km)	——		

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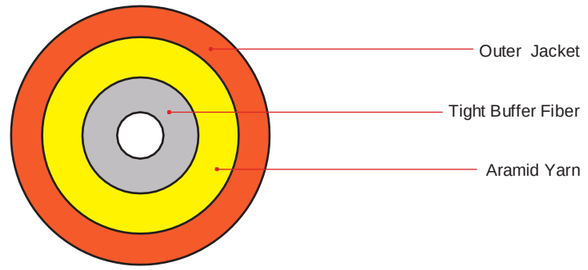
SIMPLEX FIBER OPTIC CABLE (GJFJV)

APPLICATION

- Adopted to indoor distribution, as pigtail of communication equipment.
- Suitable for communication equipment served.
- Can be installed conveniently and operated simply.

CHARACTERISTIC

- 900μm or 600μm tight buffer fiber, aramid yarn, soft flame-retardant jacket.
- Excellent stripping performance of tight buffer fiber.
- Suited to SM fiber and MM fiber (50μm and 62.5μm).
- High strength Kevlar yarn member.
- High quality tight buffered or loose tube.
- Soft and easy to strip.
- Round construction.



Environmental Characteristics			Fiber		
Storage Operating Temperature		-20℃～ +60℃	Fiber Type(core/cladding dimension)		9 /125, 50/125, 62.5/125
Geometrical Characteristics					
Cable Type	φ3.0	φ2.4	φ2.0	φ1.8	φ1.6
Cable Dimension (mm)	2.85±0.05	2.40±0.05	1.95±0.05	1.85±0.05	1.65±0.05
Cable Weight(kg/km)	6.5	5.0	3.2	3.1	3.0
TBF Diameter(μm)	900±50	600±50			
Mechanical Characteristics					
Tensile strength (N)	Long Term	60			
	Short Term	100			
Crush resistance（N/100 ㎜）	Long Term	100			
	Short Term	500			
Bending Radius(CM)	Dynamic	20×D (D: Cable Diameter)			
	Static	10×D (D: Cable Diameter)			
Transmission Characteristics					
	SMF	50/125	62.5/125		
		850/1300(nm)			
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5		
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500		

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OPF
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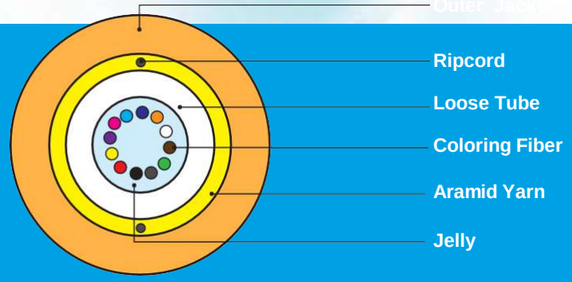
FIBER OPTIC CABLE
SPECIAL CABLE

ACCESS CABLE

▪ CHARACTERISTIC

- Suited to SM fiber and MM fiber (50μm and 62.5μm) .
- It is ideal choice of fibreoptic temperature transmission project .
- Supply gel-filled or gel-free loose tube .



Environmental Characteristics		Fiber		
Storage Operating Temperature	-20℃～ +60℃	Fiber Type(core/cladding dimension)	9 /125, 50/125, 62. /125	
Geometrical Characteristics				
Cable Type	12	24	48	72
Cable Dimension (mm)	7.1	11.5	11.5	12.7
Cable Weight(kg/km)	31	105	105	149
Coloring Fiber Diameter(μm)	250±15			
Mechanical Characteristics				
Tensile strength (N)	Long Term	200		
	Short Term	600		
Crush Resistance(N/100mm)	Long Term	300		
	Short Term	1000		
Bending Radius(CM)	Dynamic	20×D (D: Cable Diameter)		
	Static	10×D (D: Cable Diameter)		
Transmission Characteristics				
	SMF	50/125	62.5/125	
	1310/1550(nm)	850/1300(nm)		
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5	

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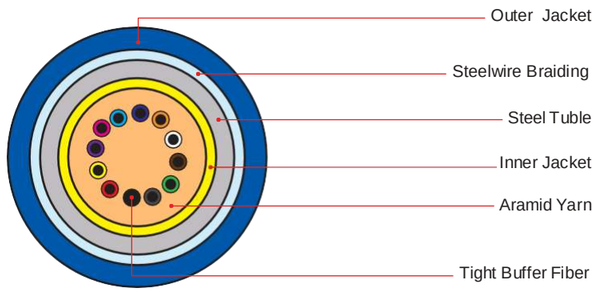
Professional Solution

DISTRIBUTION ARMORED CABLE

▪ CHARACTERISTIC

- 600μm tight buffer fiber, steel tube protect, reinforcing steel-wire braiding flame -retardant jacket.
- High indentation strength, high tensile strength, small diameter, flexibility and easy bend.
- Excellent stripping performance of tight buffer fiber.
- Suited to SM fiber and MM fiber.
- It is ideal choice of fibreoptic temperature transmission project.



Environmental Characteristics		Fiber	
Storage Operating Temperature	-20℃～ +60℃	Fiber Type(core/cladding dimension)	9 /125, 50/125, 62.5/125
Geometrical Characteristics			
Cable Type	4、6	8、12	
Cable Dimension (mm)	6.5±0.5	7.5±0.5	
Cable Weight(kg/km)	73	93	
TBF Diameter(μm)	600±50		
Mechanical Characteristics			
Tensile strength (N)	Long Term	100	
	Short Term	200	
Crush Resistance(N/100mm)	Long Term	300	
	Short Term	1000	
Bending Radius(CM)	Dynamic	20×D (D: Cable Diameter)	
	Static	10×D (D: Cable Diameter)	
Transmission Characteristics			
	SMF	50/125	62.5/125
	1310/1550(nm)	850/1300(nm)	850/1300(nm)
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500

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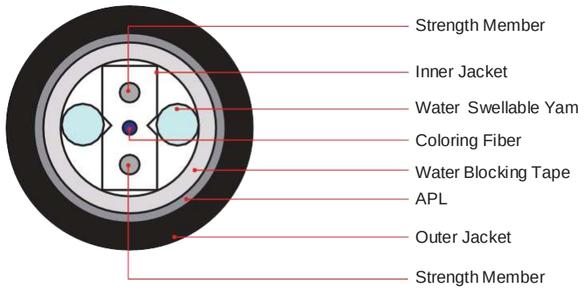
FTTH DUCT CABLE (GJXFHA)

▪ DESCRIPTION

The Optical fiber unit is positioned in the centre. Two parallel Fiber Reinforced Plastics (FRP) are placed at the two sides. Then, and the cable is completed with a black or color LSZH sheath.

▪ CHARACTERISTIC

- Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property .
- Two parallel strength members ensure good performance of crush resistance to protect the fiber.
- Simple structure, light weight and high practicability.
- Novel flute design, easily strip and splice, simplify the installation and maintenance.
- APL Moisture barrier, enhancing moisture-proof.



Geometrical Characteristics		
Fiber Core	1、2	
Cable Dimension (mm)	7.0	
Cable Weight(kg/km)	35	
Mechanical Characteristics)		
Tensile strength (N)	Long Term	30
	Short Term	60
Bending Radius(CM)	Dynamic	20×D (D: Cable Diameter)
	Static	10×D (D: Cable Diameter)
Fiber		
Fiber Type(core/cladding dimension)	G.657A	
Transmission Characteristics		
	SMF	
	1310/1550(nm)	
Attenuation(dB/km)	≤0.40/0.30	
Minimum Bandwidth(MHz•km)	——	
Environmental Characteristic)		
Storage Operating Temperature	-40℃～ +70℃	

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OPF
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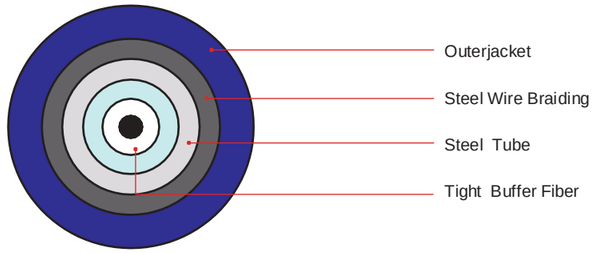
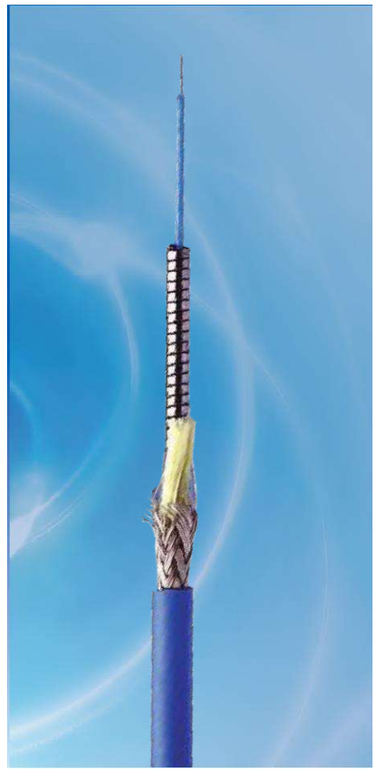
FIBER OPTIC CABLE ≫ SPECIAL CABLE

SIMPLEX INDOOR ARMORED CABLE

▪ CHARACTERISTIC

- 600μm tight buffer fiber, steel tube protect, reinforcing steel-wire braiding（aramid yarn）, flame-retardant jacket.
- High indentation strength, high tensile strength, gopher protected, small diameter, flexibility and easy bend.
- Excellent stripping performance of tight buffer fiber Suited to SM fiber and MM fiber (50μm and 62.5μm).
- It is ideal choice of fiber optic temperature transmission project.





Environmental Characteristics		**Fiber**	
Storage Operating Temperature	-20℃～ +60℃	Fiber Type(core/cladding dimension)	9 /125, 50/125, 62.5/125
Geometrical Characteristics			
Cable Type	φ3.0	φ3.0	
Cable Dimension (mm)	2.85±0.1	2.95±0.1	
Strength Member	Aramid yarn	Steel-wire Braiding	
Cable Weight(kg/km)	26	28	
TBF Diameter(μm)	600±50		
Mechanical Characteristics			
Tensile strength (N)	Long Term	100	
	Short Term	200	
Crush Resistance(N/100mm)	Long Term	300	
	Short Term	1000	
Bending Radius(CM)	Dynamic	20×D (D: Cable Diameter)	
	Static	10×D (D: Cable Diameter)	
Transmission Characteristics			
	SMF	50/125	62.5/125
	1310/1550(nm)	850/1300(nm)	850/1300(nm)
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500

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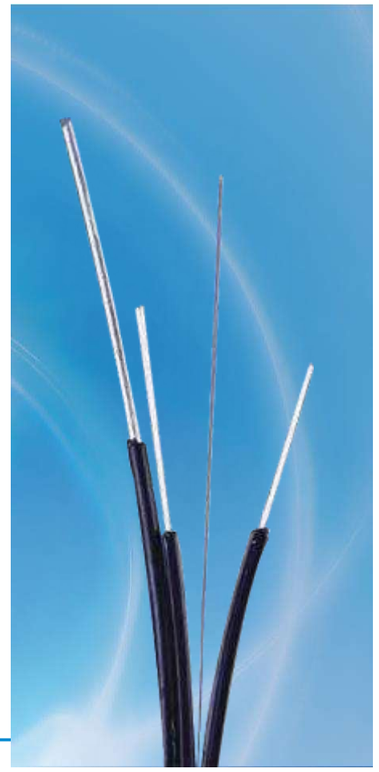
FTTH DROP CABLE\SELF-SUPPORTING FTTH CABLE (GJYXFCH)

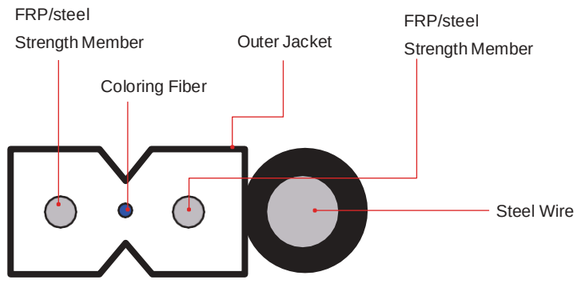


▪ DESCRIPTION

The Optical fiber unit is positioned in the centre. Two parallel Fiber Reinforced Plastics (FRP) are placed at the two sides. A steel wire as the additional strength member is also applied. Then, and the cable is completed with a black or color LSZH sheath.

▪ CHARACTERISTIC

- Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property.
- Two parallel strength members ensure good performance of crush resistance to protect the fiber.
- Simple structure, light weight and high practicability.
- Novel flute design, easily strip and splice, simplify the installation and maintenance.
- Single steel wire as the additional strength member ensures good performance of tensile strength.



Environmental Characteristics		Fiber		
Storage Operating Temperature	-20℃～ +60℃	Fiber Type(core/cladding dimension)		G.657A
Geometrical Characteristics				
Fiber Core	1	2	1	4
Cable Dimension (mm)	2.0×5.0	2.0×5.0	2.0×5.6	2.0×5.6
Cable Weight(kg/km)	20	20	21	22
Mechanical Characteristics				
Tensile strength (N)	Long Term	60		
	Short Term	120		
Bending Radius(mm)	Dynamic	30		
	Static	15		
Transmission Characteristics)				
	SMF			
	1310/1550(nm)			
Attenuation(dB/km)	≤0.40/0.30			
Minimum Bandwidth(MHz•km)	——			

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FIBER OPTIC CABLE ≫ SPECIAL CABLE
OPF Professional Solution

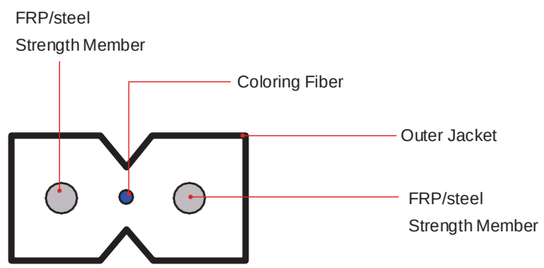
FTTH INDOOR CABLE (GJXFH/GJXH)

▪ DESCRIPTION

The Optical fiber unit is positioned in the centre. Two parallel Fiber Reinforced Plastics (FRP) are placed at the two sides. Then, and the cable is completed with a black or color LSZH sheath.

▪ CHARACTERISTIC

- Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property .
- Two parallel strength members ensure good performance of crush resistance to protect the fiber.
- Simple structure, light weight and high practicability.
- Novel flute design, easily strip and splice, simplify the installation and maintenance.



Environmental Characteristics		Fiber		
Storage Operating Temperature	-20℃～ +60℃	Fiber Type(core/cladding dimension)		G.657A
Geometrical Characteristics				
Fiber Core	1	2	1	4
Cable Dimension (mm)	2.0×3.0	2.0×3.1	2.0×3.8	2.0×4.0
Cable Weight(kg/km)	8	8.5	9	10
Mechanical Characteristics				
Tensile strength (N)	Long Term	30		
	Short Term	60		
Bending Radius(mm)	Dynamic	30		
	Static	15		
Transmission Characteristics				
	SMF			
	1310/1550(nm)			
Attenuation(dB/km)	≤0.40/0.30			
Minimum Bandwidth(MHz•km)	——			

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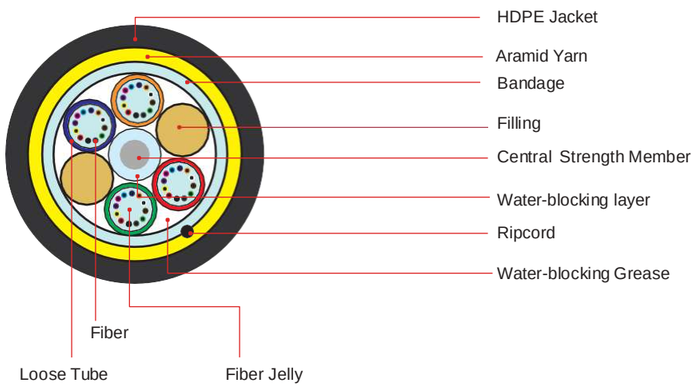
LAYER MICRODUCT OPTICAL CABLE FOR INSTALLATION BY BLOWING

▪ CHARACTERISTIC

- Plasticity shrink back small, can operating in low temperature and temperature difference environment.



Environmental Characteristics		**Fiber**					
Storage Operating Temperature	-40℃～ +70℃	Fiber Type(core/cladding dimension)				9 /125, 50/125, 62.5/125	
Geometrical Characteristics							
Fiber Core	12	24	48	60	72	96	144
	12						
	6					8	12
Cable Dimension (mm)	5.7	5.7	5.7	5.7	5.7	6.7	8.6
Cable Weight(kg/km)	28	28	28	28	28	42	68
Mechanical Characteristics							
Tensile strength(N)	250	250	250	250	250	350	600
Crush Resistance(N/100mm)	500						
Bending Radius(CM)	Dynamic	20×D (D: Cable Diameter)					
	Static	10×D (D: Cable Diameter)					
Transmission Characteristics							
	SMF			50/125		62.5/125	
	1310/1550(nm)			850/1300(nm)		850/1300(nm)	
Attenuation(dB/km)	≤0.40/0.30			≤3.5/1.5		≤3.5/1.5	
Minimum Bandwidth(MHz•km)	——			≥400/400		≥160/500	

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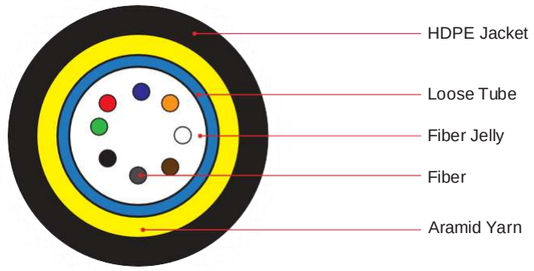
FIBER OPTIC CABLE ≫ SPECIAL CABLE
Professional Solution

CENTER TUBE LAYER MICRODUCT OPTICAL CABLE FOR INSTALLATION BY BLOWING

▪ CHARACTERISTIC

- When fiber core less (less than 36-fibers), cable diameter smaller, blowing distance longer.



Environmental Characteristics		**Fiber**	
Storage Operating Temperature	-40℃～ +70℃	Fiber Type(core/cladding dimension)	9 /125, 50/125, 62.5/125
Geometrical Characteristics			
Fiber Core	2-12	12-24	
Cable Dimension (mm)	3.6	4.2	
Cable Weight(kg/km)	10.0	14.0	
Mechanical Characteristics			
Tensile strength (N)	100	120	
Crush Resistance(N/100mm)	800		
Bending Radius(CM)	Dynamic	20×D (D: Cable Diameter)	
	Static	10×D (D: Cable Diameter)	
Transmission Characteristics			
	SMF	50/125	62.5/125
	1310/1550(nm)	850/1300(nm)	850/1300(nm)
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500

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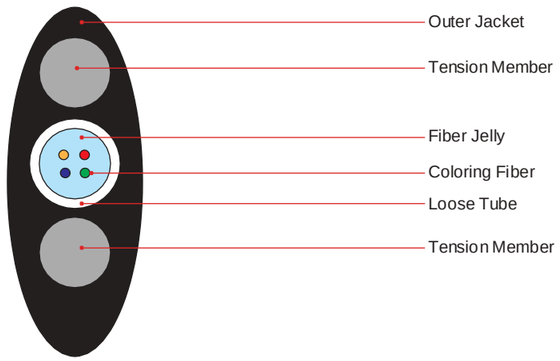
Professional Solution

MINI LT FLAT DROP CABLE

▪ CHARACTERISTIC

- Compact, easy-to-access design allows for easy installation and handling.
- Suitable for self-supporting aerial, and duct FTTX drop installations.
- Excellent tensile strength and crush-resistance.



Environmental Characteristics		**Fiber**	
Storage Operating Temperature	-40℃～ +70℃	Fiber Type(core/cladding dimension)	9 /125, 50/125, 62.5/125
Geometrical Characteristics			
Fiber Core	1，2，4，6，12		
Cable Dimension (mm)	4.6×8.0		
Cable Weight(kg/km)	28		
Mechanical Characteristics			
Tensile strength (N)	Long Term	400	
	Short Term	1200	
Crush Resistance(N/100mm)	Long Term	300	
	Short Term	1000	
Bending Radius(CM)	Dynamic	20×H (D: Cable Axis)	
	Static	10×H (D: Cable Axis)	
Transmission Characteristics			
	SMF	50/125	62.5/125
	1310/1550(nm)	850/1300(nm)	850/1300(nm)
Attenuation(dB/km)	≤0.40/0.30	≤3.5/1.5	≤3.5/1.5
Minimum Bandwidth(MHz•km)	——	≥400/400	≥160/500