“We create better life with Light.”

GOC pursues satisfaction of customers with value of creation

and keeps challenging with spirit relying on human respect.

We manufacture indoor & outdoor optical fiber cable of IT industries.

We endeavor to develop technology to be competitive in the future.

We promise to be the best partner at the fiber optical business field.

CCOONNTTEENNTTSS

5. Furcation Tube
6. Tight Buffered Fiber
07 Optical Cord Cable
08 4C Zip Cord
09 Flat Cable

Indoor Outdoor Cable

10 Ribbon Cord Cable
11 Ribbon Cord Cable (Double Jacket)
12 Distribution Optical Cable
13 Distribution Cable
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15 Distribution Cable (Duct Type)
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17 Breakout Cable

Loose Tube Cable

18 Duct Loose Tube Cable (SJSA)
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20 Flame Retardant Duct Loose Tube Cable
21 ADSS Cable (Single Jacket)
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23 Anti-Rodent ADSS Cable
24 Fig-8 Loose Tube Cable (Non-metallic)
25 Aerial Loose Tube Cable
26 Distribution Loose tube Cable (Fig-8 Type)
27 Distribution Loose tube Cable (Duct Type)
28 Direct Buried Loose Tube Cable
29 Central Loose Tube Cable
30 Flat Central Loose Tube Cable
31 Armored Central Loose Tube Cable
32 PIMC Micro-duct Tube
33 PIMC (Pulling Installation Micro Duct Loose Cable)

Micro Sheath Cable

34 Dry Core Micro Sheath Cable
35 Micro Sheath Cable (Distribution Type)
36 Micro Sheath Cable (Breakout Type)
37 Fig-8 Micro Sheath Cable

Special Cable

38 Nuclear RR Indoor Fiber Optic Cable
39 Nuclear RR Loose Fiber Optic Cable
40 Steel Armored Optical Cable
41 Steel Armored Cable (Double Sheath)
42 Steel Armored Duplex Cord
43 Dry Core Optical Cable
44 Specialty Optical Patch Cord
45 Military Tactical Optical Cable
46 Emergency Repairing Optical Cable
47 Hybrid Cable
48 Hybrid Cable (3C Copper + 4C Optical Fiber)
49 Hybrid Cable 1 RRU
50 Hybrid Cable 3 RRU
51 Hybrid POF Fig-8 Type Distribution Cable

FTTx Cable

52 FTTH Optical Cable (Buffer Type)
53 FTTX Drop Cable (Fiber Type)
54 FTTX Distribution Cable (Double Sheath)
55 FTTH Indoor Drop Cable (Rectangle Type)
56 FTTH Outdoor Drop Cable (Rectangle Type)
57 Fig-8 Type Optical Cable
58 Air Blown Fiber
59 ABMC (Air Blown Micro Cable)
60 Micro Trenching Cable
61 FTTH Fig-8 Mini Distribution
62 Cable Fiber Type Mini Drop
63 Cable
64 FTTx Pre-Connectorized Patch cord
65 Flat-Out Type PLC Splitter 1(2) X N

Optical PLC Splitter

66 48, 49 Integrated Type PLC Splitter 1 X N
67 Box Type PLC Splitter 1(2) X N

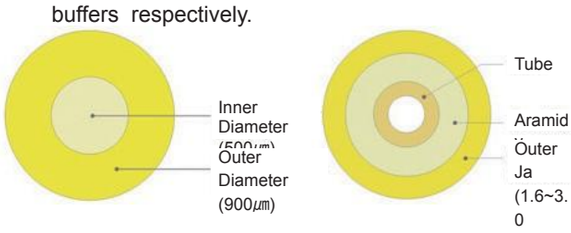
Accessory

68 Field Installable
69 Connector Fiber Optic
70 Patch Cord Access
71 Terminal Box
72 Aerial TYPE Joint closure(Ventilation type) Aerial Type Fiber Optic
73 Terminal Box
74 Pole Type Fiber Optic Distribution
75 Box Optical Distribution Cabinet
76 (ODC) Fiber Optic Cable Clamp
77 S-Type Fastener
78 C-Type Wire
79 Retractor Optical
80 Connector Plier
82 Optical Connector Plier

FURCATION TUBE

DESCRIPTION

- Furcation tube is used for protection of optical fiber or tight buffered fiber.
- Coating considering the easy insertion of fiber core & flexibility for convenience of handling.
- The Tube is manufactured using Aramid Yarn for Fan Out Tubing, offering two types with Simplex Fan Out Tubing & Duplex Fan Out Tubing, to enhance the Tensile Load and protect the optical fiber.
- Consisting of two simplex Sub-units for Duplex Fan Out Tubing enabling the insertion of 0.9mm tight buffers respectively.



FEATURES

- Accurate inner & outer diameters
- Easy insertion of optical fiber or buffer
- Use of standard colors(Easy color identification)
- Operating Temperanture Range:0~60℃

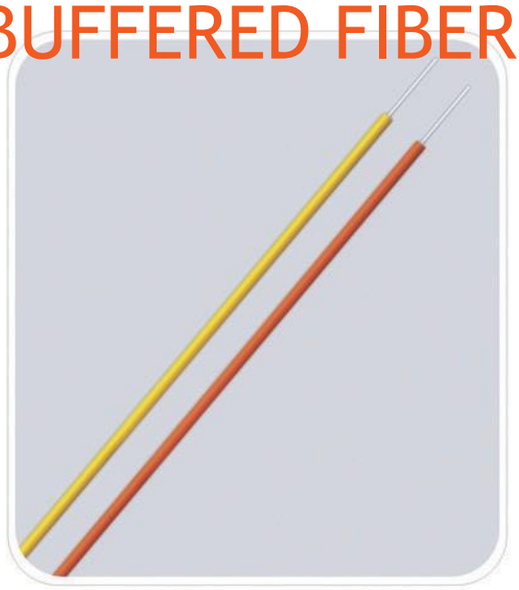
APPLICATIONS

- Connection to Single mode or Multimode optical fiber
- Connection between equipments
- Separation of optical fiber & tight buffer joints
- Medical devices

CHARACTERISTICS

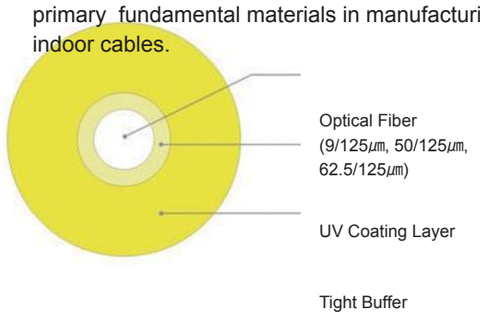
Item		Simplex Fan Out Tube					Duplex Fan Out Tubinf
Outer/Inner Diameter of Tubing(mm)		0.5/0.9				1.2/1.6	
Outer Diameter of Fan Out Tubing(mm)		0.9	2.0	2.4	2.8	2.0	
Weight(kg/km)		0.8	3.6	5.3	6.6	8.0	
Max. Tensile Load(kg-f)	Installation	-	20	40	40	10	
	Operation	-	10	20	20	20	
Min. Bending Radius(mm)	Installation	18	40	48	60	60	
	Operation	9	20	24	30	30	
Application		Protection of 250 ㎛ optical fiber				protection of 600&900 ㎛ tight buffer fiber	Protection of 250 ㎛ optical fiber
Color		Yellow					Yellow or Orange Color

600/900㎛ DIAMETER TIGHT BUFFERED FIBER



DESCRIPTION

- GOT Co.Ltd's Tight Buffered Fiber Cable product has been widely used in overall optical fiber communication industry for optical module cabling work between transceiver and pigtails of Laser/LED.
- The product has been diversely utilized for those applications of outdoor cable termination devices or subscriber's networking purpose, as well as the primary fundamental materials in manufacturing of indoor cables.



FEATURES

- Single-mode or Multimode optical fiber cable used
- Able to use 24 colors - 12 colors
- Small & compact size with excellent flexibility
- Ease of use, Protecting optical fiber
- Operating Temperature Range : 0~60℃

12 colors(Line Marking added)

APPLICATIONS

- For Indoor cabling
- Used in pigtail
- Used in Passive/active devices

CHARACTERISTICS

Outer Diameter(㎛)	Weight(kg/km)
600	0.4
900	0.9

OPTICAL ATTENUATION

Type/Wavelength(nm)			850	1300	1310	1383	1550	1625
Atenuation (dB/km)	Single-Mode (9/125㎛)		-	-	≤0.40	≤1310nm	≤0.30	≤0.35
	Multimode	50.0/125	≤3.00	≤1.00	-	-	-	-
		62.5/12 5	≤3.50	≤1.50	-	-	-	-

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

OPTICAL CORD CABLE

DESCRIPTION

- Simplex and Duplex Cables are of stable construction coated around the outside of Tight Buffer Fiber one more time with resin in order to maintain the outstanding mechanical, environmental & transmission characteristics for indoor installation.
- The product is manufactured with the Aramid Yarn nserted to enhance the Tensile Load and protect the optical fiber.
- Particularly, the coating can be conveniently removed without using any special equipments or tools in the event of indoor installation.

FEATURES

- Single-mode or Multimode optical fiber used
- Compact & highly flexible
- Easy peeling for enabling (Guaranteed long life cycle)
- Made with Aramid Yarn (Tensile Load & impact resistance enhanced)
- Operating temperature range : -20~70℃

APPLICATIONS

- Indoor or outdoor duct cabling
- Indoor cable network (FTTH)
- Horizontal cabling inside building
- LAN cabling
- Connection of pigtail & optical fiber cable connector

CHARACTERISTICS

D: Outer Diameter

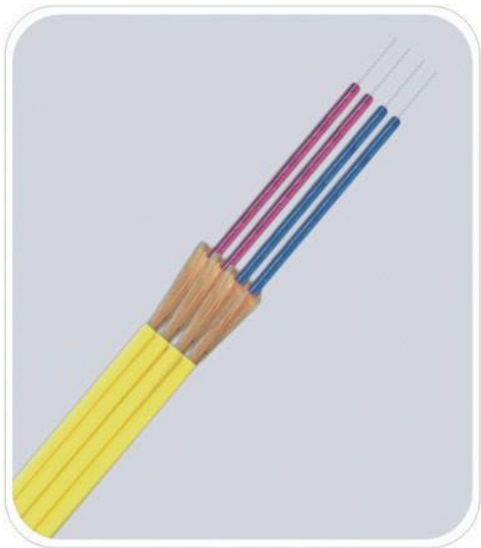
Item	No.of Cores	Outer Diameter (mm)	Weight (kg/km)	Max.Tensile Load(kg-f)	Min.Bending Radius(mm)	
					Installation	Operation
Simplex	1	1.6	2.9	10	Dx20	Dx10
		1.8	3.3	15		
		2.0	3.7	15		
		2.4	4.7	25		
		3.0	6.7	30		
Duplex	2	1.6X3.2	5.8	20		
		1.8X3.6	6.6	30		
		2.0X4.0	7.4	30		
		2.4X4.8	9.4	50		
		3.0X6.0	13.4	60		

OPTICAL ATTENUATION

Type/Wavelength(nm)			850	1300	1310	1383	1550	1625
Attenuation (dB/km)	single-Mode (9/125)				≤0.40	≤1310nm	≤0.30	≤0.35
	Multimode	50.0/125	≤3.00	≤1.00				
		62.5/125	≤3.50	≤1.50				

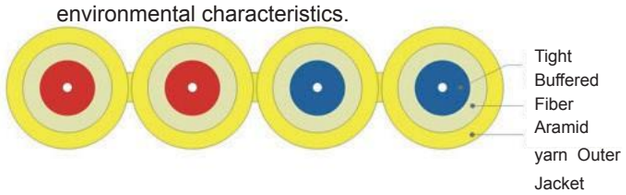
#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

4C ZIP CORD



DESCRIPTION

- 4C Zip Cable is an optical fiber cable designed with 4 cores using Single mode and multimode optical fiber for the application of connection between the equipments.
- Mutual signal communication between the telecommunication equipments available, inserting Aramid Yarn for enhancement of Tensile Load and protection of optical fiber, provided with outstanding mechanical & environmental characteristics.



FEATURES

- Single-mode or Multimode optical fiber used
- Ease of handling with flexibility and light weight
- Ease of connection or core separation
- Operating Temperature Range : -20~70℃

APPLICATIONS

- Connection of indoor systems
- Patch code of optical fiber cable distribution box
- Super high speed distribution network(FTTx)
- Housing Distribution Network

CHARACTERISTICS

D: Outer Diameter

No.of Cores	Outer Diameter (Height×Width)	Weight(kg/km)	Max.TensileLoad (kg·f)	Min.Bending Radius(mm)	
				Installation	Operation
4	2.0×8.4	14.8	60	Dx20	Dx10
	2.4×10	18.8	100		
	2.9×12	26.8	120		

OPTICAL ATTENUATION

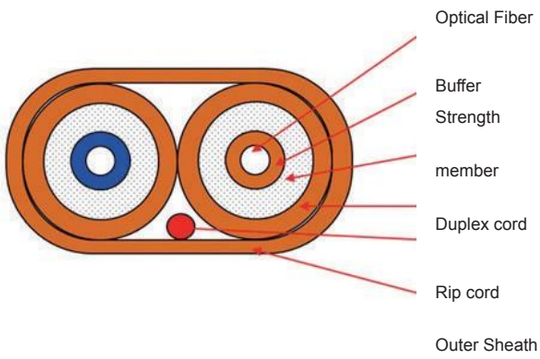
Type/Wavelength(nm)			850	1300	1310	1383	1550	1625
Attenuation (dB/km)	single-Mode (9/125)				≤0.40	≤1310nm	≤0.30	≤0.35
	Multimode	50.0/125	≤3.00	≤1.00				
		62.5/125	≤3.50	≤1.50				

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

FLAT CABLE

DESCRIPTION

- Resilient and flexible for jumpers, patch cords, and pigtails
- Suitable for general-purpose indoor use, such as routing connections in patching systems
- Short "patch cord" ideal for links between electronic equipment and main fiber optic cables



FEATURES & APPLICATIONS

- Compatible with all standard fiber optic connectors designed for small form-factor simplex and duplex connecters such as MT-RJ and LC connecters
- High performance tight-buffered coating on each optical fiber for environmental and mechanical protection
- Custom jacket colors are available to match connectors

OPTICAL SPECIFICATIONS

- Single mode @1310nm ≤ 0.40 dB/km
  @1383nm ≤ 0.36 dB/km @1550nm ≤ 0.30 dB/km @1625nm ≤ 0.35 dB/km

  PMD ≤ 0.2dB(ps/km$^{1/2}$), Cut-off wavelength ≤1260nm
- Multi mode @ 850nm ≤ 3.5 dB/km
  @1300nm ≤ 1.5 db/km

  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

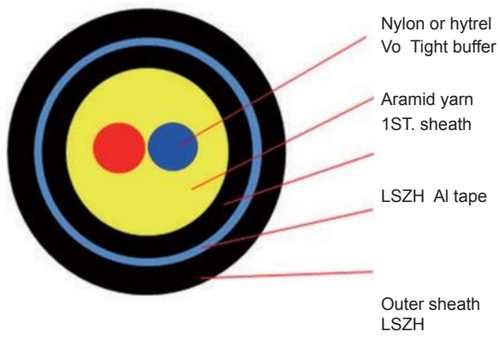
No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
2F	6.6±0.4X3.8±0.3	28	800	Cable Dia*15	Cable Dia*10	-20~+70

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

DISTRIBUTION CABLE(Duct Type)

DESCRIPTION

- Highly flexible & light weight
- Ease of peeling enabling fast connection
- Coating material : Flame retardant PVC, PU, LSZH etc.
- Operating Temperature Range : -40~70℃



FEATURES &

- Patch cords
- LAN distribution
- Outdoor cable

OPTICAL SPECIFICATIONS

- Single mode @1310nm ≤ 0.40 dB/km
  @1383nm ≤ 0.36 dB/km @1550nm ≤ 0.30 dB/km @1625nm ≤ 0.35 dB/km

  PMD ≤ 0.2dB(ps/km$^{1/2}$), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.5 dB/km
  @1300nm ≤ 1.5 db/km

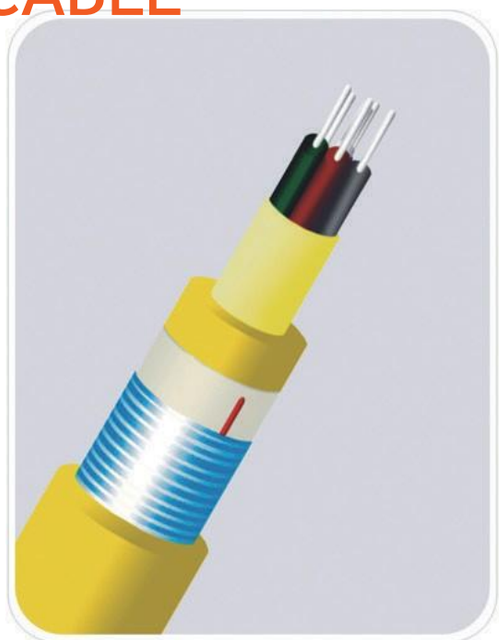
  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
2F	5.8±0.2	40	800	Cable*15	Cable Dia*10	-40~+60

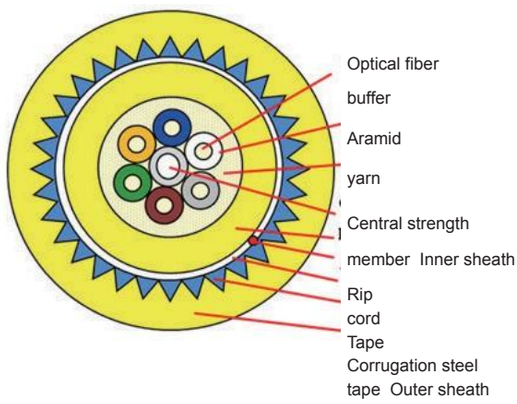
#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

ARMORED DISTRIBUTION CABLE(Aerial Type)



DESCRIPTION

- Used in areas that require a riser rating and are susceptible to damage from small non-burrowing rodents



FEATURES & APPLICATIONS

- Include a layer of fiberglass yarn that provides an effective deterrent to damage caused by small non- burrowing rodents(not recommended for direct burial applications)
- FRP is ideal for use in surface installations
- Cables are suitable for use with single, as well as multi channel connectors

OPTICAL SPECIFICATIONS

- Single mode @1310nm ≤ 0.38 dB/km
  @1383nm ≤ 0.38 dB/km @1550nm ≤ 0.25 dB/km @1625nm ≤ 0.28 dB/km

  PMD ≤ 0.2dB(ps/km$^{1/2}$), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.0 dB/km
  @1300nm ≤ 1.0 db/km

  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

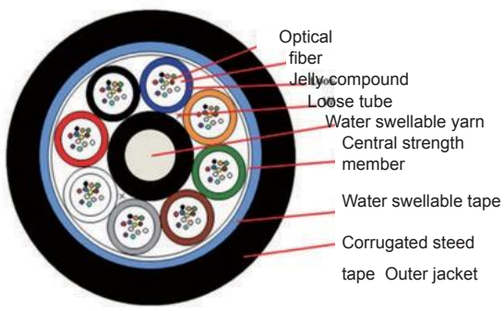
No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
6F	5.8±0.2	125	800	Cable*15	Cable Dia*10	-40~+70
12F	12.6±0.5	180	1,200			
24F	20.1±0.5	415	1,800			

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

DUCT LOOSE TUBE CABLE (SJSA)

DESCRIPTION

- Ideal for installations requiring a rugged and reliable cable design where maximum mechanical and environmental protection is necessary
- Typical industrial uses are factory automation, power generation and other utilities, oil and gas refining, and surface mining



FEATURES & APPLICATIONS

- Best design for multimode and single-mode fiber hybrid/composite cables
- Design allows to be routed to multiple locations such as wiring racks and closets
- Designed for indoor/outdoor installations, including cable trays
- 12-288 fiber configurations are available with 6-12 fibers per tube

OPTICAL SPECIFICATIONS

- Single mode @1310nm ≤ 0.36 dB/km
  @1383nm ≤ 0.35 dB/km @1550nm ≤ 0.22 dB/km @1625nm ≤ 0.25 dB/km

  PMD ≤ 0.2dB(ps/km$^{1/2}$), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.0 dB/km
  @1300nm ≤ 1.0 db/km

  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

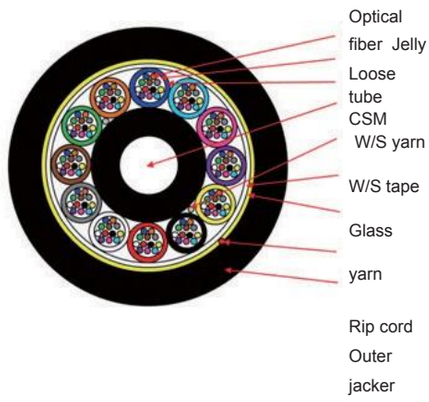
No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
4~24F	12.2±0.7	150	1,500	Cable Dia*20	Cable Dia*15	-40~+70
36~72F	12.5±0.7	160				
96F	14.0±0.7	190	2,000			
144F	16.3±0.7	250	2,500			
288F	20.3±0.7	350				

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

DUCT LOOSE TUBE CABLE (Non-metallic)

DESCRIPTION

- Ideal for installations requiring a rugged and reliable cable design where maximum mechanical and environmental protection is necessary
- Typical industrial uses are factory automation, power generation and other utilities, oil and gas refining, and surface mining



FEATURES & APPLICATIONS

- Best design for multimode and single-mode fiber hybrid/composite cables
- Design allows multi-fiber sub cables to be routed to multiple location such as wiring racks and closets
- Designed for indoor/outdoor installations, including cable trays
- 12-288 fiber configurations are available with 6-12 fibers per tube

OPTICAL SPECIFICATIONS

- Single mode @1310nm ≤ 0.36 dB/km
  @1383nm ≤ 0.35 dB/km @1550nm ≤ 0.22 dB/km @1625nm ≤ 0.25 dB/km

  PMD ≤ 0.2dB(ps/km$^{1/2}$), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.5 dB/km
  @1300nm ≤ 1.0 db/km

  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

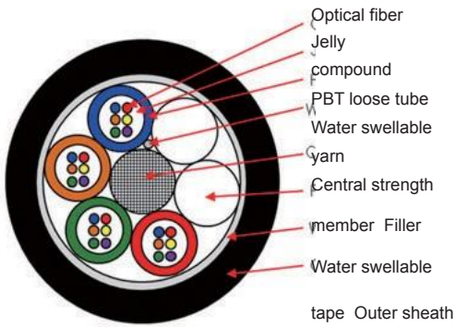
No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
4~24F	11.8±0.7	95	1,500	Cable Dia*20	Cable Dia*15	-20~+70
36~72F	12.0±0.7	110				
96F	13.7±0.7	140	2,000			
144F	16.3±0.7	205	2,500			
288F	20.0±0.7	300				

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

FLAME RETARDANT DUCT LOOSE TUBE CABLE

DESCRIPTION

- Indoor/outdoor tight-buffered design allows cables to be installed in intra-building backbone and inter-building campus location without costly transitions between cable types
- Design allow multi fiber sub cables to be routed to multiple locations such as wiring racks and closets



FEATURES & APPLICATIONS

- High performance components and construction UL Listed in accordance with NEC sections 770.179(b) for use in vertical runs in building riser shafts or from to floor
- Cable materials are indoor/outdoor : UV, water and fungus resistant
- Wide operating temperature range : -40~85℃

OPTICAL SPECIFICATIONS

- Single mode @1310nm ≤ 0.36 dB/km
  @1383nm ≤ 0.35 dB/km @1550nm ≤ 0.22 dB/km @1625nm ≤ 0.25 dB/km

  PMD ≤ 0.2dB(ps/km$^{1/2}$), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.0 dB/km
  @1300nm ≤ 1.0 db/km

  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

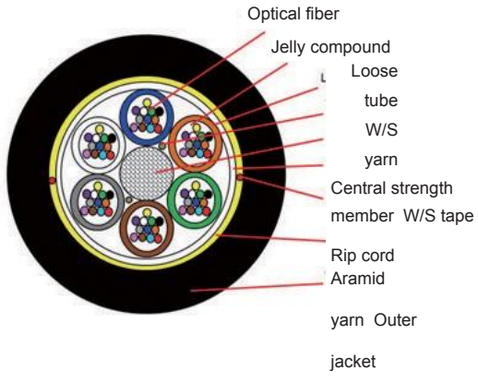
No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
4F	10.7±0.5	120	1,500	Cable Dia*20	Cable Dia*15	-40~+70
8F						
12F						
16F						
24F						

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

ADSS CABLE (Single Jacket)

DESCRIPTION

- Ideal for installations where direct burial or rodent protection is required
- Design allows sub cables to be routed to multiple locations such as wiring racks and closets



FEATURES &

- Inner cable is a fully functional G-Series Sub grouping riser-rated cable
- High-performance components and construction 6-fiber or 12-fiber subgroups available
- The steel-armor is easily removed with an internal ripcord, leaving a fully functional intact riser-rated inner cable with original cable markings for identification

OPTICAL

- Single mode @1310nm ≤ 0.36 dB/km
  @1383nm ≤ 0.35 dB/km @1550nm ≤ 0.22 dB/km @1625nm ≤ 0.25 dB/km

  PMD ≤ 0.2dB(ps/km$^{1/2}$), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.0 dB/km
  @1300nm ≤ 1.0 db/km

  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

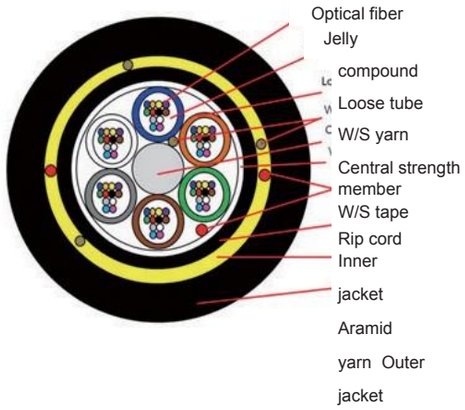
No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
12~72F	11.0±0.7	95	1,800	Cable Dia*20	Cable Dia*15	-40~+70

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

ADSS CABLE (Double Jacket)

DESCRIPTION

- Ideal for installations where direct burial or rodent protection is required
- Design allows sub cables to be routed to multiple locations such as witing racks and closets



FEATURES & APPLICATIONS

- Inner cable is a fully functional G-Series Sub grouping riser-rated cable
- High-performance components and construction 6-fiber or 12-fiber subgroups available
- The steel-armor is easily removed with an internal ripcord, leaving a fully functional intact riser-
  rated inner cable with original cable markings for identification

OPTICAL SPECIFICATIONS

- Single mode @1310nm ≤ 0.36 dB/km
  @1383nm ≤ 0.35 dB/km @1550nm ≤ 0.22 dB/km @1625nm ≤ 0.25 dB/km

  PMD ≤ 0.2dB(ps/km$^{1/2}$), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.0 dB/km
  @1300nm ≤ 1.0 db/km

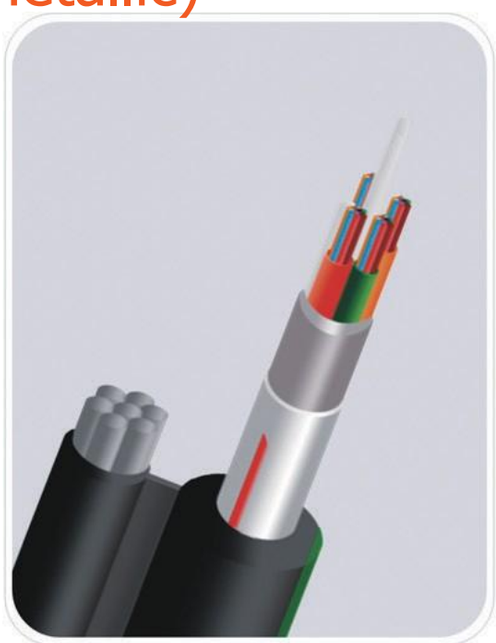
  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
12~72F	14.2±1.0	150	4,000	Cable Dia*20	Cable Dia*15	-30~+70

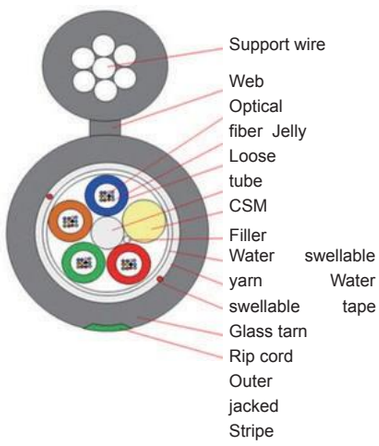
#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

Fig-8 LOOSE TUBE CABLE (Non Metallic)



DESCRIPTION

- Light weight, compact & ease of handling
- Economic construction for aerial cabling application
- Outstanding mechanical & environmental characteristics
- Operating Temperature Range : -20~70℃



FEATURES &

- Aerial type
- Outdoor cable
- FTTH (Fiber To The Home)

OPTICAL SPECIFICATIONS

- Single mode @1310nm ≤ 0.36 dB/km
  @1383nm ≤ 0.35 dB/km @1550nm ≤ 0.22 dB/km @1625nm ≤ 0.25 dB/km

  PMD ≤ 0.2dB(ps/km$^{1/2}$), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.0 dB/km
  @1300nm ≤ 1.0 db/km

  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

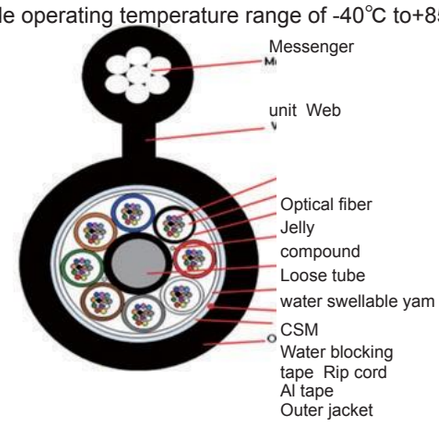
No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
4F	8.6±0.5* 13.3±0.5	93	1,200N	Cable Dia*20	Cable Dia*15	-40~+70
8F						
12F						
24F						
36F	9.0±0.5* 13.7±0.5	105				
48F						

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

AERIAL LOOSE TUBE CABLE

DESCRIPTION

- Figure-eight construction for use with standard messeng clamping and support hardware.
- Deal for new installations. The figure-eight messenger cable reduces installation time and cost by approximatel 50% compared to separate installation of a messenger wire and the lashing of the cable to the messenger.
- Wide operating temperature range of -40℃ to+85℃



FEATURES & APPLICATIONS

- Outdoor aerial installations along utility poles for cable television, telecom or other outside plant campus backbone applications without the need fof cable lashing
- 1/4-inch galvanized messenger standard
- Polyethylene outer cable jacket for excellent UV and weather resistance

OPTICAL SPECIFICATIONS

- Single mode @1310nm ≤ 0.36 dB/km
  @1383nm ≤ 0.35 dB/km @1550nm ≤ 0.22 dB/km @1625nm ≤ 0.25 dB/km

  PMD ≤ 0.2dB(ps/km$^{1/2}$), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.0 dB/km
  @1300nm ≤ 1.0 db/km

  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

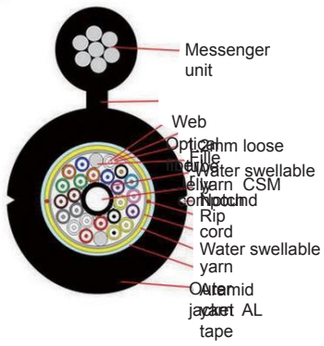
No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
4~72F	10.5±0.7*17.6±0.7	160	5,000	Cable Dia*20	Cable Dia*15	-40~+70
96F	12.7±0.7*19.8±0.7	205				
144F	15.3±0.7*22.4±0.7	270				

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

DISTRIBUTION LOOSE TUBE CABLE (Fig-8 Type)

TECHNICAL

▸1fiber / 1tube structure.
Aramid yarn reinforce. High tensile strength.



FEATURES

- ▸ Applicable for self-supporting aerial installation
- ▸ Easy distribution
- ▸ Excellent mechanical & optical characteristics
- ▸ High tensile strength & characteristic

APPLICATIONS

- ▸ Aerial laying
- ▸ Luxury condominium & Common housing(FTTH)
- ▸ Office buildings, Government offices

CHARACTERISTICS

Item	No.of Cores	Outer Diameter (mm)	Weight (kg/km)	Min.Bending Radius(mm)	Max.Tensile Load(kg.f)	Crush force (N/100mm)	Temperature cycling
Distribution	8F	9.9mmx17.0mm	155	60	3,000	4,500	-20℃~+70℃
	10F	9.9mmx17.7mm	170				
	12F	10.7mmx18.5mm	180				
	18F	11.6mmx19.4mm	190				
	24	12.9mmx20.7mm	215				

Standard color : Blue, Orange, Green, Brown, Gray, White, Red, Black, Pink, Turquise, Gold, Silver Optical Fiber : G652D

OPTICAL ATTENUATION

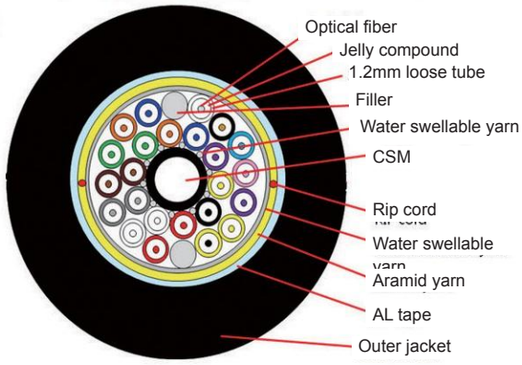
Type/Wavelength(nm)		850	1300	1310	1383	1550	1625
Attenuation (dB/km)	SMF(G.652D)			≤.0350	≤0.350	≤0.215	≤0.350

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

DISTRIBUTION LOOSE TUBE CABLE (Duct Type)

CROSS SECTION

▸ 1fiber / 1tube structure.
Aramid yarn reinforce. High tensile strength.



FEATURES

- ▸ Applicable for duct or aerial installation
- ▸ Easy distribution
- ▸ Excellent mechanical & optical characteristics
- ▸ High tensile strength & characteristic

APPLICATIONS

- ▸ Aerial laying
- ▸ Luxury condominium & common housing(FTTH)
- ▸ Office buildings, Government offices

CHARACTERISTICS

Item	No.of Cores	Outer Diameter (mm)	Weight (kg/km)	Min.Bending Radius(mm)	Max.Tensile Load(kg.f)	Crush force (N/100mm)	Temperature cycling
Distribution	8F	10.0mm	85	60	3,000	4,500	-20~+70
	10F	10.7mm	100				
	12F	11.5mm	115				
	18F	12.4mm	120				
	24	13.7mm	150				

Standard color : Blue, Orange, Green, Brown, Gray, White, Red, Black, Pink, Turquise, Gold, Silver Optical Fiber : G652D

OPTICAL

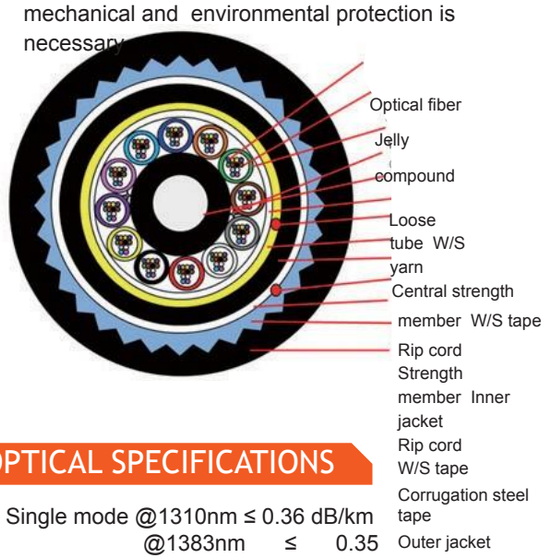
Type/Wavelength(nm)		850	1300	1310	1383	1550	1625
Attenuation (dB/km)	SMF(G.652D)			≤.0350	≤0.350	≤0.215	≤0.350

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

DIRECT BURIAL LOOSE TUBE CABL

DESCRIPTION

- Ideal for installations where direct burial or rodent protection is required
- Design allows sub cables to be routed to multiple locations such as wiring racks and closets
- Ideal for installations requiring an extremely rugged and reliable cable design where maximum mechanical and environmental protection is necessary



FEATURES & APPLICATIONS

- High-performance components and construction 6-fiber or 12-fiber per tube available
- The steel-armor is easily removed with an internal ripcord, leaving a fully functional intact riser-rated inner cable with original cable markings for identification
- Helically stranded core for greater flexibility and mechanical protection of the optical fibers

OPTICAL SPECIFICATIONS

- Single mode @1310nm ≤ 0.36 dB/km @1383nm ≤ 0.35 dB/km @1550nm ≤ 0.22 dB/km @1625nm ≤ 0.25 dB/km

  PMD ≤ 0.2dB(ps/km$^{1/2}$), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.0 dB/km @1300nm ≤ 1.0 db/km

  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

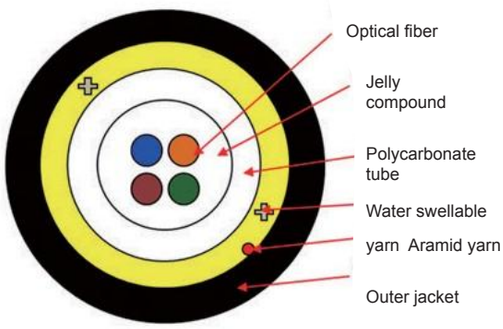
No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
12~72F	14.4±1.0	220	2,500	Cable Dia*20	Cable Dia*15	-40~+70
96F	16.6±1.0	285	3,000			
144F	19.3±1.0	350				

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

CENTRAL LOOSE TUBE CABLE

DESCRIPTION

- Suitable outdoor application (Aerial Installation)
- ABC(Air Blown Cable)



FEATURES &

- Easy handling, small, light
- Duct type, Aerial type

OPTICAL

- Single mode @1310nm ≤ 0.38 dB/km
  @1383nm ≤ 0.38 dB/km @1550nm ≤ 0.25 dB/km @1625nm ≤ 0.28 dB/km

  PMD ≤ 0.2dB(ps/km$^{1/2}$), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.0 dB/km
  @1300nm ≤ 1.0 db/km

  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

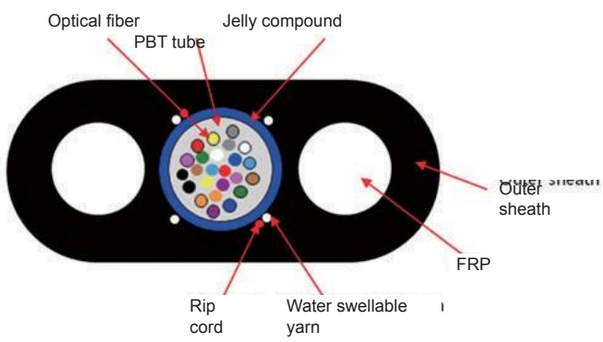
No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
Duct 2~12	4.5±0.2	16.0	800	Cable Dia*15	Cable Dia*10	-30~+70
Aerial 2~12	5.0±9.4	55.0	1,500	Cable Dia*15	Cable Dia*10	-30~+70

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

FLAT CENTRAL LOOSE TUBE CABLE

DESCRIPTION

- Application for conduit & aerial installation
- Small size and low friction
- Excellent mechanical & optical characteristics
- Light weight and cost efficient



FEATURES & APPLICATIONS

- Conduit, Duct, Aerial Laying
- Luxury Condominium & Common Housing(FTTH)
- Office Building, Government Offices
- CATV, Internet cafe

OPTICAL SPECIFICATIONS

- Single mode @1310nm ≤ 0.38 dB/km
  @1383nm ≤ 0.38 dB/km @1550nm ≤ 0.25 dB/km @1625nm ≤ 0.28 dB/km

  PMD ≤ 0.2dB(ps/km$^{1/2}$), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.0 dB/km
  @1300nm ≤ 1.0 db/km

  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

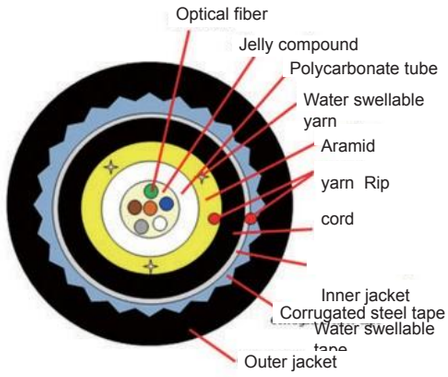
No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
2~12F	8.3±0.3*4.3±0.5	40	2,000	Cable Dia*15	Cable Dia*10	-40~+70
16~24F	10.6±0.5*5.1±0.5	55	4,000			

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

ARMORED CENTRAL LOOSE TUBE CABLE

DESCRIPTION

- Highly flexible & light weight
- Ease of peeling enabling fast connection
- Coating material : flame retardant PVC, PU, LSZH etc.
- Operating Temperature Range : -40~70℃



FEATURES &

- LAN distribution
- Outdoor cable

OPTICAL SPECIFICATIONS

- Single mode @1310nm ≤ 0.38 dB/km
  @1383nm ≤ 0.38 dB/km @1550nm ≤ 0.25 dB/km @1625nm ≤ 0.28 dB/km

  PMD ≤ 0.2dB(ps/km^{½}), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.0 dB/km
  @1300nm ≤ 1.0 db/km

  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

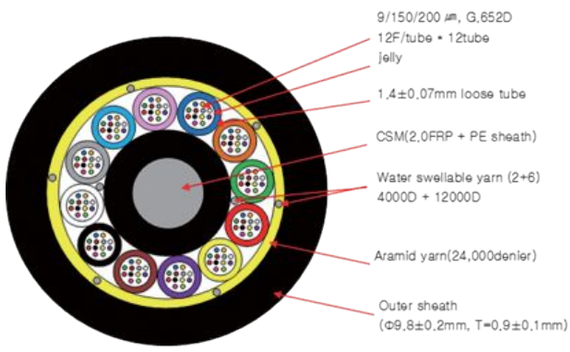
CHARACTERISTICS

No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
2F	8.8±0.3	76	1,500	Cable Dia*15	Cable Dia*10	-40~+70
4F						
6F						
8F						
12F						

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

PIMC

(Pulling Installation Micro Duct Loose Cable)

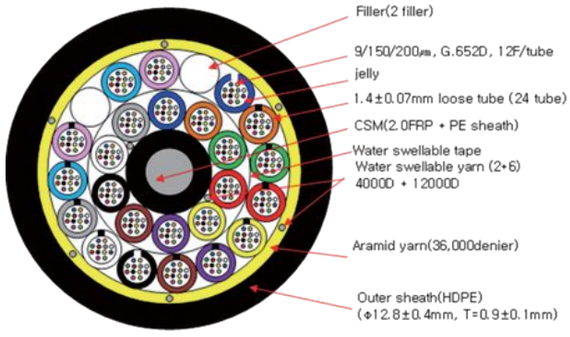


DESCRIPTION

- Use Aramid Yarn to pull the cable through the Tube
- Suitable for Air Brown Micro Duct Tube

FEATURES&APPLICATIONS

- Single-mode Fiber Cable
- Installation method : Pulling installation (or Air Blown MAX.)
- Tensile Load : 2,500N ~ 3,000N



OPTICAL SPECIFICATIONS

- Length : 2km/drum
- PIMC Install length : MAX 1.0km
- Single mode @ 1310nm ≤0.36 dB/km @ 1383nm ≤0.35 dB/km @ 1550nm ≤0.22 dB/km @ 1625nm ≤0.25 dB/km

PMD ≤0.2dB(ps/km1/2),
Cut-off wavelength≤1260nm

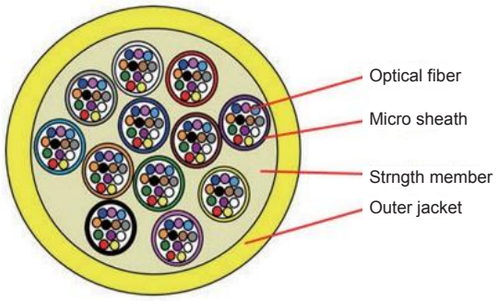
CHARACTERISTICS

Cores	Loose tube diameter(mm)	Number of Fiber per tube	Outer Diameter(mm)	Outer sheath thickness(mm)	Weight (kg/km)	Max.Tensile load
24F ~ 72F	1.4±0.1	12F /tube	6.3±0.20	0.9±0.1	38	2,500N
96F	1.4±0.1	12F /tube	7.3±0.2	0.9±0.1	52	2,500N
144F	1.4±0.1	12F /tube	9.0±0.2	0.9±0.1	72	2,500N
256F	1.4±0.1	12F /tube * 21 tube 4F /tube * 1 tube	10.9±0.2	0.9±0.1	92	3,000N
288F	1.4±0.1	12F /tube	11.5±0.2	0.9±0.1	105	3,000N

MICRO SHEATH CABLE (Distribution Type)

DESCRIPTION

- Distribution type(Max. 144core)
- Ease of handling with flexibility
- Ease of identification using 12 Colors
- Operating temperature Range : -20~70℃



FEATURES &

- Intra building backbone
- OFD : optical Frame distribution
- FDDI, LAN distribution
- Indoor and outdoor cable

OPTICAL SPECIFICATIONS

- Single mode @1310nm ≤ 0.40 dB/km
  @1383nm ≤ 0.36 dB/km @1550nm ≤ 0.30 dB/km @1625nm ≤ 0.35 dB/km

  PMD ≤ 0.2dB(ps/km$^{1/2}$), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.5 dB/km
  @1300nm ≤ 1.5 db/km

  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

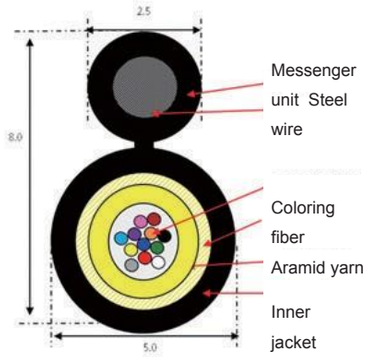
No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
12F	2.95±0.1	9	500	Cable Dia*20	Cable Dia*15	-20~+70
24F	6.9±0.2	44	600			
48F	7.2±0.3	49	800			
72F	7.7±0.3	58				
96F	8.4±0.3	67	1,200			
144F	11.5±0.5	91				

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

FIG-8 MICRO SHEATH CABLE

DESCRIPTION

- Light weight, compact & ease of handling
- Economic construction for aerial cabling application
- Outstanding mechanical & environmental characteristics
- Operating Temperature Range : -40~70℃



FEATURES &

- Aerial type
- Outdoor cable
- FTTH (Fiber To The Home)

OPTICAL SPECIFICATIONS

- Single mode @1310nm ≤ 0.40 dB/km
  @1383nm ≤ 0.36 dB/km @1550nm ≤ 0.30 dB/km @1625nm ≤ 0.35 dB/km

  PMD ≤ 0.2dB(ps/km^{½}), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.5 dB/km
  @1300nm ≤ 1.5 db/km

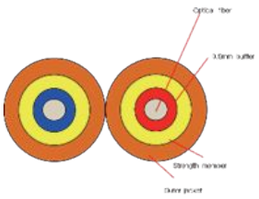
  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

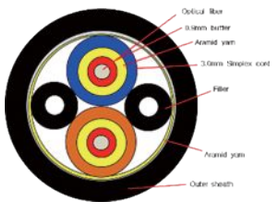
CHARACTERISTICS

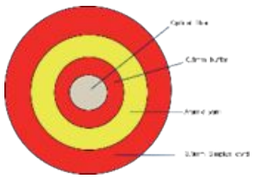
No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
4F	5.0±0.3*8.0±0.3	45	1,000	Cable Dia*15	Cable Dia*10	-40~+70
6F						
12F						

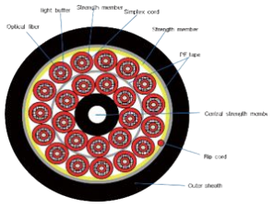
#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

Nuclear RR Indoor Fiber Optic Cable









DESCRIPTION

- Nuclear Power Plant Serviceable Communication Device
- 60 Years of Life-time
- High Mechanical and Environmental Characteristics
- High Durability against High Temperature(110 ℃) by applying Special Material
- Low Smoke Zero Halogen

FEATURES

- Vertical Tray Flame Test : IEEE1202(2006)
- Service Lifetime : 60 years
- 60 years total dose : 1.71KGy
- Accident dose : 55 KGy
- Operating Temperature : -10℃ ~ +85℃

OPTICAL SPECIFICATIONS

- Multi mode @ 1300nm ≤ 1.5dB/km
  @ 850nm ≤ 3.5dB/km
- Core Diameter 62.5 ㎛
- Radiation Induced Attenuation(RIA)
  ≤ 6dB/km(~100Gy) @ 1300nm
  ≤ 10dB/km(~55KGy) @ 1300nm

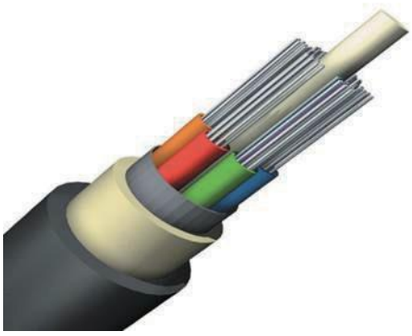
References

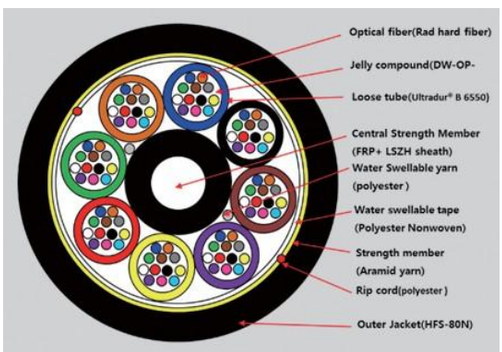
- IEEE1682-2001
- IEEE323-2003
- IEEE383-2003
- IEEE1202-2006
- IEC60794-1-2
- IEC60793-1
- IEC60811-1-1

CHARACTERISTICS

ITEM	No. of Core	Overall Diameter(mm)	Weight (Net. kg/km)	MAX. TensileStrength(N)		Min. Bending radius(mm)	Temperature Range(℃)
				Short Term	Long Term		
GNRRL-BFO01	1F	3.0±0.1	10.5	600N	400N	Installation CableDia* 20 Operation CableDia* 10	-10 ~ + 85
GNRRL-BFO02(A)	2F	3.0*6.0±0.1	21.09	9,00N	600N		
GNRRL-BFO02(B)	2F	8.5±0.3	78.0	800N	600N		
GNRRL-BFO24	24F	21.6±1.0	525.0	2,500N	1,800N		

Nuclear RR Loose Fiber Optic Cable





DESCRIPTION

- Nuclear Power Plant Serviceable Cable
- Apply Radiation Resistant Optical Fiber & Sheath Material
- 60 Years of Life-time
- High Mechanical & Environmental Characteristics
- High Durability against High Temperature(110 ℃) by applying Special Material
- Low Smoke Zero Halogen

FEATURES

- Vertical Tray Flame Test : IEEE1202(2006)
- Service Lifetime : 60 years
- 60 years total dose : 15KGy
- Accident dose : 50KGy
- Operating Temperature : -20℃ ~ +85℃

OPTICAL SPECIFICATIONS

- Single mode @ 1310nm ≤ 0.38 dB/km
  @ 1550nm ≤ 0.25 dB/km
- Chromatic Dispersion 3.2 ↓ps/nm.km@1310nmnm
  22.0↓ps/km@1550nm
- Cut-off wavelength ≤ 1260nm
- Radiation Induced Attenuation(RIA)
  ≤ 6dB/km(~100Gy) @ 1300nm
  ≤ 10dB/km(~55KGy) @ 1300nm

References

- IEEE1682-2001
- IEEE323-2003
- IEEE383-2003
- IEEE1202-2006
- IEC60794-1-2
- IEC60793-1
- IEC60811-1-1

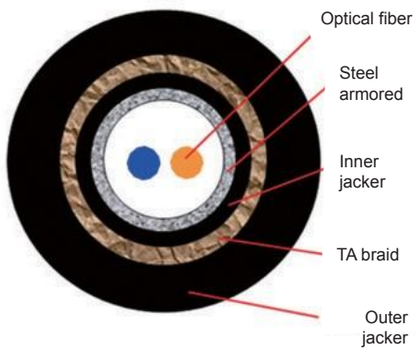
CHARACTERISTICS

ITEM	No. of Core	Overall Diameter(mm)	Weight (Net. kg/km)	MAX. TensileStrength(N)	Min. Bending radius(mm)	Temperature Range(℃)
GNRRS-LFO04	4F	10.4±0.51	116	Short Term 2,700N Long Term 1,500N	Installation CableDia* 20 Operation CableDia* 10	-20 ~ + 85
GNRRS-LFO08	8F	10.4±0.5	116			
GNRRS-LFO24	24F	10.7±0.51	120			
GNRRS-LFO48	48F	10.7±0.5	116			
GNRRS-LFO96	96F	12.0±0.5	143			

STEEL ARMORED CABLE (Double Sheath)

DESCRIPTION

- Highly flexible & light weight
- Ease of peeling enabling fast connection
- Coating material : flame retardant PVC, PU, LSZH etc.
- Operating temperature Range : -40~70℃



FEATURES &

- Patch cords
- LAN distribution
- Outdoor cable

OPTICAL SPECIFICATIONS

- Single mode @1310nm ≤ 0.40 dB/km
  @1383nm ≤ 0.36 dB/km @1550nm ≤ 0.30 dB/km @1625nm ≤ 0.35 dB/km

  PMD ≤ 0.2dB(ps/km^{½}), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.5 dB/km
  @1300nm ≤ 1.5 db/km

  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

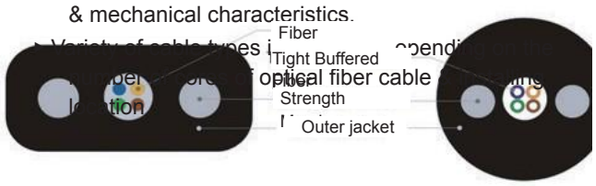
No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
2F	9.8±0.4	104	1,200	Cable Dia*20	Cable Dia*10	-40~+70

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

DRY CORE OPTICAL CABLE

DESCRIPTION

- Dry Core Cable is an optical fiber cable offering the competitive cost by reducing the volume & weight for easier cable laying & installation, as the cable is manufactured not using the jelly compound filler on the contrary with the loose tube type optical fiber cable.
- Tensile Load & compression characteristics are enhanced by inserting two steel wores or FRP, offering protection for optical fiber & tight buffer from puysical impact from outside with the gap provided inside the cable thereby resulting in excellent optical & mechanical characteristics.
- Variety of cable types i… …pendi… …optical fiber cable …



FEATURES

- Applicable for conduit & aerial installation
- Use with both optical fiber & tight buffer available
- Easy connection of optical fiber connector
- Excellent mechanical & optical characteristics
- Coating materials : Flame retardant LSZH & etc.
- Operating Temperature Range : -40~70℃

APPLICATIONS

- Conduit, Duct, Aerial Laying
- Luxury Condominium & Common Housing(FTTH)
- Office Buildings, Government Offices
- CATV, Internet cafe

CHARACTERISTICS

F : Fiber
TBF : Tight Buffered

Item	Class		Out Diameter (mm)	Weight(kg / km)	Max. Tensile Load(kg·f)	Min.Bending Radius(mm)	
	No. of Cores	Type				Installation	Operation
Rectangle	2~12	F	3(H)×6(W)	28	150	D×20	D×10
	2	TBF	4(H)×8(W)	48			
Circle	2~12	F	7.0	53	150		
	2~4	TBF	6.3	47			
Fig-8 Type	2~4	F	7.7(H)×2.7(W)	25	150		
	2~12	TBF	11.0(H) ×7.5(W)	50			

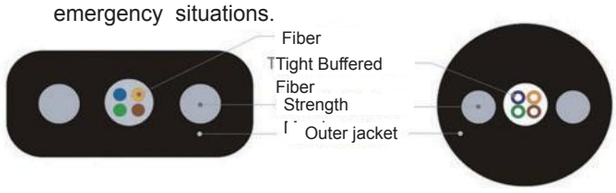
Type/Wavelength(nm)			850	1300	1310	1383	1550	1625
Attenuation (dB/km)	Single-Mode(9/125)				≤0.40	≤1310nm	≤0.30	≤0.350
	Multimode	50.0/125	≤3.0	≤1.0				
		62.5/125	≤3.5	≤1.5				

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

SPECIALITY OPTICAL PATCH CORD

DESCRIPTION

- Specialty Optical Fiber Jumper Cable is designed to be suitable for the applications under vulnerable environments & special purpose applications considering the mechanical & environmental conditions.
- The optical fiber cable provides the special connector arrangement on both ends of cable for the ease of cable laying concenience & connections at emergency situations.



FEATURES

- Connection of specialty optical fiber connector of 1~4 core cables
- Connector construction of protective cover connecting section
- Ease of handling with compact & light weight
- Tubing with Aluminum or Stainless Steel provided with diverse connector connection availability
- Use of cable moving bobbin for easy moving for emergency application
- Coating Materials : Flame retardant LSZH
- Operating Temperature Range : -40~70℃

APPLICATIONS

- For emergency area, national disaster area & military applications
- For optical fiber cable assembly
- Communication terminals or connection between equipments

CHARACTERISTICS

D : Outer Diameter
TBF : Tight Buffered

Item	Class		Out Diameter (mm)	Weight(kg / km)	Max. Tensile Load(kg·f)	Min.Bending Radius(mm)	
	No. of Cores	Type				Installation	Operation
Rectangle	4	TBF	3(H)×6(W)	25	150	D×20	D×10
			4(H)×8(W)	48	150		
Circle				40	150		

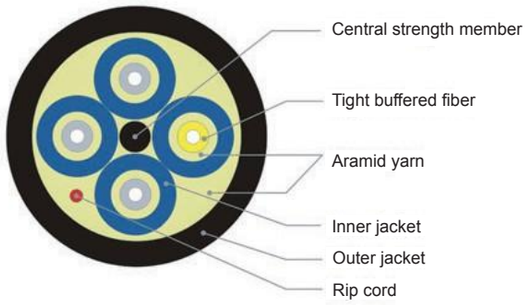
Item	Water proofing Test(10m)	Contact Test (500)	Connecting Attenuation	Temperature Characteristic	Salt Spray Test
Result	pass	pass	Max.1.0	Max.1.5	Good
Test	◈ Water Proofing Test : 5 min. test on the receptacle & plug sprayed with water from 1.3m distance ◈ Temperature Test Condition : 5 routines under +7℃ for 30min. / -40℃ for 30min.(Total 5hours) ◈ Salt Test : Test inside the Temperatute Chamber for 48hours (Density-5%, pH6.8, Temperature-35℃, Spray Liquid : 2.4ml/h)				

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

MILITARY TACTICAL OPTICAL CABLE

DESCRIPTION

- Military tactical cable is of construction inserting two or four optical fiber cords offering application to connector attached optical fiber cable as well with ease connection and handing of optical fiber cords at the cable ends.
- Insertion of 900 ㎛ tight buffer and aramid yarn protects the optical fiber strengthening the mechanical & environmental characteristics.



FEATURES

- Ease of handling when laying the cable (Excellent mechanical characteristics)
- Ease of handling with flexibility & light weight
- Similar construction with break out cable
- Coating materials : Flame retardant PU & etc.
- Operating Temperature Range : -40~70℃

APPLICATIONS

- Military tactical application
- Emergency recovery cable
- Mining, commercial & other risky areas

CHARACTERISTICS

No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Crush(N)	Min.Bending Radius(mm)	
					Installation	Operation
2	6.5	38	200	DX20	DX20	D×10
4	7.0	45	200			

OPTICAL ATTENUATION

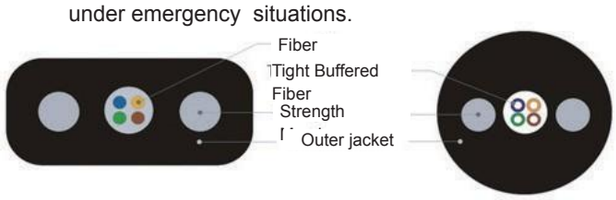
Type/Wavelength(nm)			850	1300	1310	1383	1550	1625
Attenuation (dB/km)	Single-Mode(9/125)				≤0.40	≤1310nm	≤0.30	≤0.350
	Multimode	50.0/125	≤3.00	≤1.00				
		62.5/125	≤3.50	≤1.50				

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

EMERGENCY REPAIRING OPTICAL CABLE

DESCRIPTION

- Emergency Recovery Optical Fiber Cable is designed to conveniently install at the cable laying locations where the urgent connections are required prior to the normal recovery, by simply coiling on a bobbin after connecting the common connectors at the both ends of optical fiber cables.
- The optical fiber cable is of rectangular dry core construction, provided with strong withstandingperformance against the external environmental changes and superior mechanical characteristic.
- The cable is guaranteed with in outstanding tensile strength, flexibility, torsion characteristics & long term reliability meeting the application purpose of using under emergency situations.



FEATURES

- Excellent tensile strength & flexibility
- Use of bobbin for ease of cable laying & rewinding
- Connection with variety of connectors available
- Coating materials : Flame retardant PU & etc.
- Operating Temperature Range : -40~70℃

APPLICATIONS

- For Emergency Recovery, LAN
- Urgent temporary communication system
- For elevator application
- Emergency horizontal & vertical cable laying
- For tactical military operations

CHARACTERISTICS

F: Fiber
D: Outer Diameter
TBF: Tight Buffered

Item	Class		Out Diameter (mm)	Weight(kg / km)	Max. Tensile Load(kg·f)	Min.Bending Radius(mm)	
	No. of Cores	Type				Installation	Operation
Rectangle	2~12	F	3(H)×6(W)	28	150	D×20	D×10
	2	TBF	4(H)×8(W)	48			
Circle	2~12	F	7.0	53			
	2~4	TBF	6.3	47			

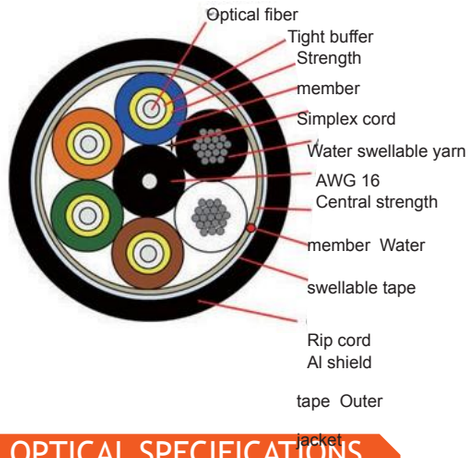
Type/Wavelength(nm)			850	1300	1310	1383	1550	1625
Attenuation (dB/km)	Single-Mode(9/125)				≤0.40	≤1310nm	≤0.30	≤0.35
	Multimode	50.0/125	≤3.0	≤1.0				
		62.5/125	≤3.5	≤1.5				

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

HYBRID CABLE

DESCRIPTION

- Access control systems
- Airports
- Auto and storage lots
- Bridges
- CCTV video surveillance
- Commercial aerospace



FEATURES & APPLICATIONS

- Connectivity environment : Hybrid Fiber
- Optic/Electrical

OPTICAL SPECIFICATIONS

- Single mode @1310nm ≤ 0.40 dB/km
  @1383nm ≤ 0.36 dB/km @1550nm ≤ 0.30 dB/km @1625nm ≤ 0.35 dB/km

  PMD ≤ 0.2dB(ps/km$^{1/2}$), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.5 dB/km
  @1300nm ≤ 1.5 db/km

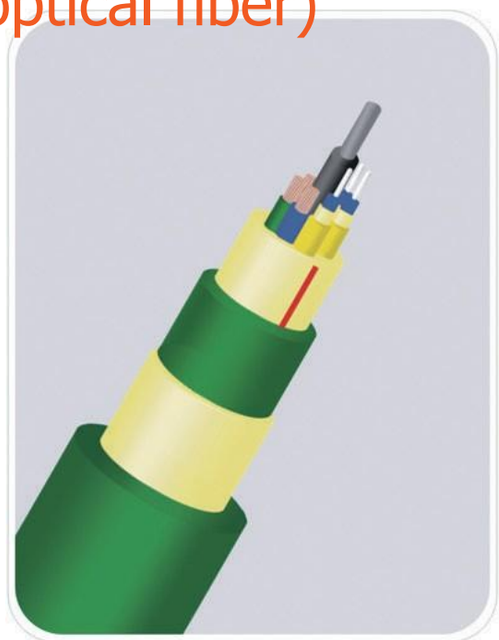
  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
4F	13±0.3	180	1,400	Cable Dia*20	Cable Dia*15	-40~+70

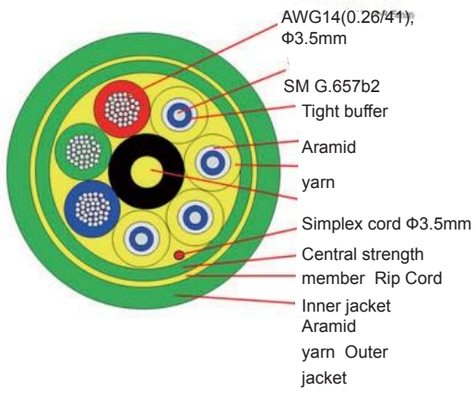
#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

HYBRID CABLE(3C cooper+4C optical fiber)



DESCRIPTION

- Access Control Systems
- Airports
- Auto and Storage Lots
- Bridges
- CCTV Video Surveillance
- Commercial Aerospace



FEATURES & APPLICATIONS

- Connectivity Environment : HYBRID FIBER
- OPTIC/ELECTRICAL

OPTICAL SPECIFICATIONS

- Single mode @1310nm ≤ 0.40 dB/km
  @1383nm ≤ 0.36 dB/km @1550nm ≤ 0.30 dB/km @1625nm ≤ 0.35 dB/km

  PMD ≤ 0.2dB(ps/km$^{1/2}$), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.5 dB/km
  @1300nm ≤ 1.5 db/km

  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
3C copper + 4F Fiber	17.0±0.5	340	3.000	Cable Dia*150	Cable Dia*10	-20~+70

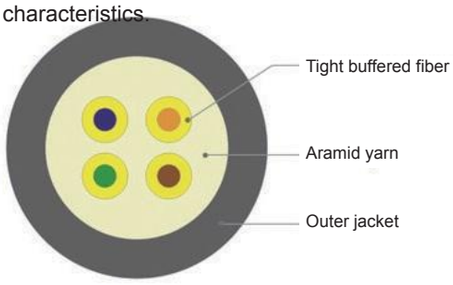
Electric Power	Copper wire	IEC60364 Stranded wire	- 3ea, 0.67/7, 2.5 ㎟ - Conductor resistance : 7.41Ω/km, 450/750V
	Sheath	material	- Halogen Free Reraedant Polyolefin
		Diameter	- 3.5 ± 0.2mm

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

FTTX OPTICAL CABLE(Buffer Type)

DESCRIPTION

- Designed to allow the mixed use of single mode & multimode optical fiber cables together within the same cabling.
- Allow using maximum 6 cores of optical fiber or tight buffer cables, inserted with aramid yarn for excellent mechanical&environmental characteristics.



FEATURES

- Easy connection of optical fiber connectors
- Outstanding workability for vertical & horizontal installations
- Use of complex type cable available (Single mode, Multimode)
- Ease of handling with light weight & thin diameter
- Coating materials : Flame retardant PU
- Operating Temperature Range : -20~70℃

APPLICATIONS

- Indoor/Outdoor
- Condominium
- LAN
- Integrated residential network (Internet, Home Automation System, Communication Training & etc.)

CHARACTERISTICS

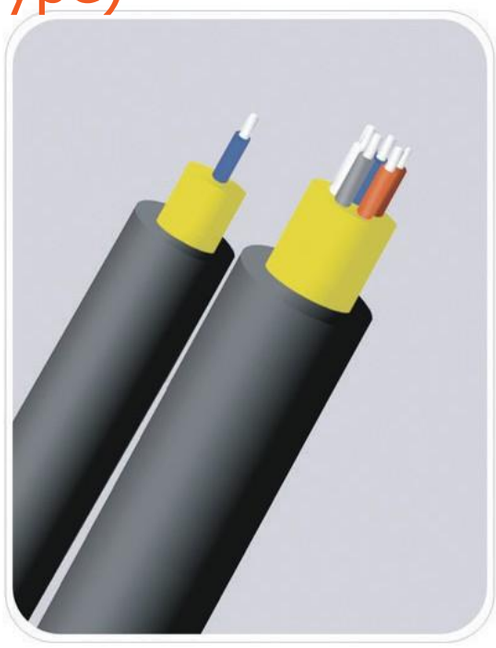
F: Fiber
D: Outer Diameter
TBF: Tight Buffered

Class		Out Diameter (mm)	Weight(kg/km)	Max. Tensile Load(kg·f)	Min.Bending Radius(mm)	
No. of Cores	Type				Installation	Operation
1	TBF(Φ0.9)	3.0	8	66	DX20	DX10
2~4	TBF(Φ0.53)	3.6	14			
4	SM2	3.8	11			
	MM2					
6	SM4	5.0	25			
	MM2					

Type/Wavelength(nm)			850	1300	1310	1383	1550	1625
Attenuation (dB/km)	Single-Mode(9/125)				≤0.40	≤1310nm	≤0.30	≤0.350
	Multimode	50.0/125	≤3.00	≤1.00				
		62.5/125	≤3.50	≤1.50				

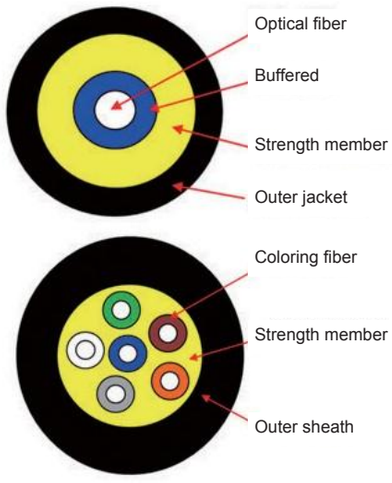
#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

FTTX DROP CABLE(Fiber Type)



DESCRIPTION

- Indoor/outdoor tight-buffered cable design for use installations requring a flame-retardant, low-smoke and zero-halogen cable



FEATURES & APPLICATIONS

- Suitable for indoor or outdoor applications
- Jacket is UV, fungus and moisture resistant

OPTICAL SPECIFICATIONS

- Single mode @1310nm ≤ 0.38 dB/km
  @1383nm ≤ 0.36 dB/km @1550nm ≤ 0.25 dB/km @1625nm ≤ 0.30 dB/km

  PMD ≤ 0.2dB(ps/km^{½}), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.5 dB/km
  @1300nm ≤ 1.5 db/km
  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
1F	3.0±0.1	8.5	800	Cable Dia*15	Cable Dia*10	-20~+70
2F	3.0±0.1	7.8				
4F	3.0±0.1	8.0				
6F	3.2±0.1	8.6				

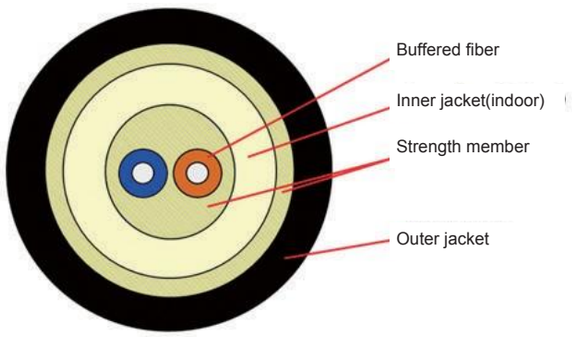
- 1F : buffer type, 2/4/6F : coloring fiber type . Jacket material : Frame retardant polyurethan

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

FTTX DISTRIBUTION CABLE(Double Sheath)

DESCRIPTION

- Highly flexible & light weight
- Ease of peeling enabling fast connection
- Coating material : flame retardant PU, LSZH etc.
- Operating temperature range : -40~70℃



FEATURES &

- Patch cords
- LAN distribution
- Outdoor cable

OPTICAL

- Single mode @1310nm ≤ 0.40 dB/km
  @1383nm ≤ 0.36 dB/km @1550nm ≤ 0.30 dB/km @1625nm ≤ 0.35 dB/km

  PMD ≤ 0.2dB(ps/km$^{1/2}$), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.5 dB/km
  @1300nm ≤ 1.5 db/km

  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

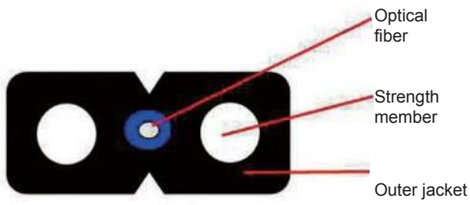
No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
1F	4.6±0.2	23	800	Cable Dia*10	Cable Dia*5	-20~+70
2F	5.0±0.2		1,000	Cable Dia*15	Cable Dia*10	-20~+70

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

FTTX INDOOR DROP CABLE(Rectangle Type)

DESCRIPTION

- Tensile load & compression characteristics are enhanced by inserting two FRPs or ARPs, offering protection for optical fiber from physical impact outside with the gap provided inside the cable there by resulting in excellent optical & mechanical characteristics



FEATURES

- Use for indoor connecting
- Small size
- Light weight and cost efficient
- Structure used for pushing install

APPLICATIONS

- Conduit, Duct laying
- From OTP to OTP
- CATV, FTTH
- Office building, government office

CHARACTERISTICS

Item	No. of Cores	Out Diameter (mm)	Weight(kg/km)	Min.Bending Radius(mm)	20.0kg.f (200N)	Crush force (N/100mm)	Temperature cycling
Indoor Drop cable	1F	[W x H] 2.0mm x 3.1mm	8.5kg/km (NET.)	15mm, 10 turn	20.0kg.f (200N)	600	-20℃~+70℃

Standard color : Blue Optical Fiber : G.657A2

OPTICAL ATTENUATION

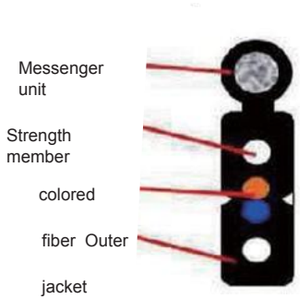
Type/Wavelength(nm)		850	1300	1310	1383	1550	1625
Attenuation (dB/km)	SMF(G.657A2)			≤0.350	≤0.350	≤0.215	≤0.350

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

FTTX OUTDOOR DROP CABLE(Rectangle Type)

DESCRIPTION

- Tensile load & compression characteristics are enhanced by inserting a steel wire and FRPs, offering protection for optical fibers from physical impact from outside with the gap provided inside the cable thereby resulting in excellent optical & mechanical characteristics.
- Possible to push wire without using any lead wire because of low friction in cable jaket.



FEATURES

- Applicable for conduit & aerial installation
- Use with both optical fiber & tight buffer available
- Small size and low friction
- Excellent mechanical & optical characteristics
- Light weight and cost efficient

APPLICATIONS

- Conduit, duct, aerial laying
- Luxuy Condominium & Common Housing(FTTH)
- Office buildings, Government offices
- CATV, Internet cafe

CHARACTERISTICS

Item	No. of Cores	Out Diameter (mm)	Weight(kg/km)	Min.Bending Radius(mm)	20.0kg.f (200N)	Crush force (N/100mm)	Temperature cycling
Drop cable A/B	1F,2F	[W x H] 2.3mm x 5.3mm	25kg/km (NET.)	15mm, 10 turn	130kg.f (1,300 N)	600	-20℃~+70℃

Standard color : Blue, Orange, Green, Brown, Gray, Whire, Red, Black, Pink, Aqua Optical Fiber : G657

OPTICAL ATTENUATION

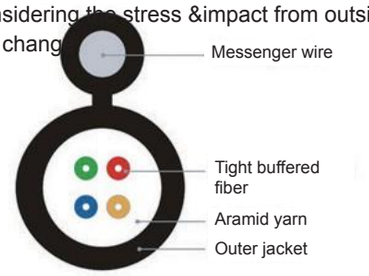
Type/Wavelength(nm)		850	1300	1310	1383	1550	1625
Attenuation (dB/km)	SMF(G.657A2)			≤0.350	≤0.350	≤0.215	≤0.350

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

Fig-8 TYPE OPTICAL CABLE

DESCRIPTION

- Outdoor type Cable purposely manufactured for ease of cabling between the electric poles or leading into buildin from pole, manufactured with the self standing, "8" shape construction.
- Designed to have the appropriate tensile load considerin the cable laying stress and stable Bending characteristic
- Offering excellent mechanical & environmental characteristics that may occur after the cable laying wor considering the stress &impact from outside and weathe chang



FEATURES

- Light weight, compact & ease of handling
- Economical construction for aerial cabling application
- Outstanding mechanical & environmental characteristics
- Coating materials : Flame retardant LSZH & etc.
- Operating Temperature Range: -40~70℃

APPLICATIONS

- LAN
- Subscriber network
- CATV, PC Cafe

CHARACTERISTICS

D: Outer Diameter

No. of Cores	Outer Diameter (Height x Width)	Weight(kg/km)	Max. Tensile Load(kg·f)	Min.Bending Radius(mm)	
				Installation	Operation
2	4.7 X 8	27	80	DX20	DX10
4	4.7 X 8	28	80		
6	5.5 X 9	29	80		

OPTICAL ATTENUATION

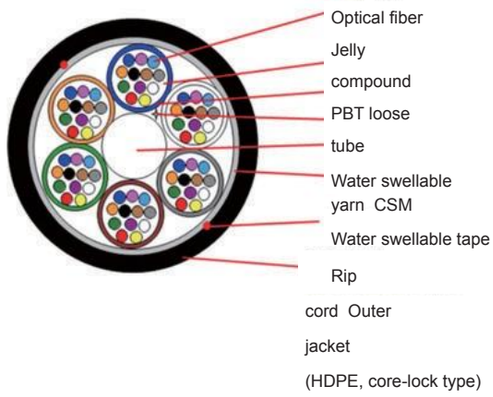
Type/Wavelength(nm)			850	1300	1310	1383	1550	1625
Attenuation (dB/km)	Single-Mode(9/125)				≤0.40	≤1310nm	≤0.30	≤0.350
	Multimode	50.0/125	≤3.00	≤1.00				
		62.5/125	≤3.50	≤1.50				

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

ABMC (AIR BLOWN MICRO CABLE)

DESCRIPTION

- Indoor/outdoor tight-buffered design allows cables to be installed in intra-building backbone and inter-building compus locations without costly transitions between cabl types
- The construction of the cable allows multi fiber sub cable to be routed to multiple locations such as wiring racks and sets



FEATURES & APPLICATIONS

- High performance components and construction UL Listed in accordance with NEC sections 770.179(b) for use in vertical runs in building riser shafts or from floor th floor
- Cable materials are indoor/outdoor : UV, water and fungus resistant
- Wide operating temperature Range : -40~+85℃

OPTICAL SPECIFICATIONS

- Single mode @1310nm ≤ 0.36 dB/km
  @1383nm ≤ 0.35 dB/km @1550nm ≤ 0.22 dB/km @1625nm ≤ 0.25 dB/km

  PMD ≤ 0.2dB(ps/km$^{1/2}$), Cut-off wavelength ≤ 1260nm
- Multi mode @ 850nm ≤ 3.0 dB/km
  @1300nm ≤ 1.0 db/km

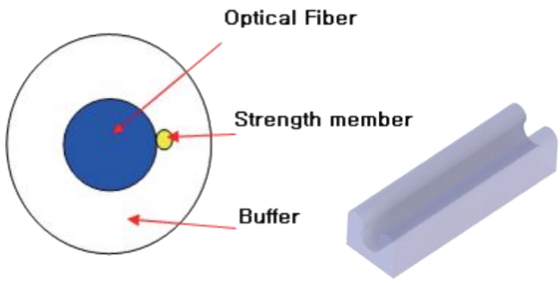
  50/125㎛(OM2, OM3, OM4), 62.5/125㎛(OM1)

CHARACTERISTICS

No.of Core	Outer Diameter (mm)	Weight (Net. kg/km)	Max.Tensile Load(N)	Min.Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
12F	6.7±0.2	36	1,000	Cable Dia*15	Cable Dia*10	-40~+70
24F		37				
36F		38				
48F		39				
72F		47				

#Above cable construction & feature may be revised without prior notice to implement the quality improvement.

FTTH Transparent Strong Buffer & Rail



DESCRIPTION

- Indoor Purpose
- Transparent Buffer
- Strength Member : Aramid yarn

FEATURES&APPLICATIONS

- Single-mode fiber cable
- Installation method : fixed by inserting to the rail
- MAX. Tensile Load : 50N

OPTICAL SPECIFICATIONS

- Single mode @ 1310nm ≤ 0.36 dB/km @ 1383nm ≤ 0.35 dB/km @ 1550nm ≤ 0.22 dB/km @ 1625nm ≤ 0.25 dB/km
- PMD ≤ 0.2dB(ps/km1/2)
- Cut-off Wavelength ≤ 1260nm

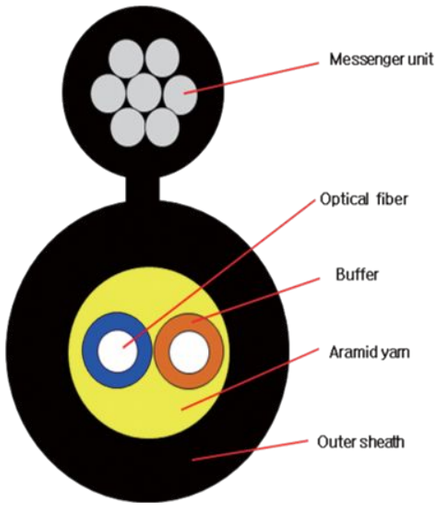
CHARACTERISTICS

Cores	Buffer diameter(mm)	Number of Fiber per tube	Weight (kg/km)	Max.Tensile load
1F	0.9±0.1	1F /tube	0.7	4kg
1F	1.5±0.1	1F /tube	1.9	4kg

FTTH FIG-8 DISTRIBUTION CABLE

DESCRIPTION

- Single mode, 1 or 2 fibers
- Semi Strip Buffer
- Reinforced Aramid Yarn
- LSZH(FR-PE) Jacket



FEATURES&APPLICATIONS

- Aerial type drop cable
- Outdoor cable
- Easy Installation
- FTTH(Fiber To The Home)

OPTICAL SPECIFICATIONS

- Single mode @ 1310nm ≤ 0.36 dB/km @ 1383nm ≤ 0.36 dB/km @ 1550nm ≤ 0.22 dB/km @ 1625nm ≤ 0.30 dB/km

PMD ≤ 0.2dB(ps/km1/2)
Cut-off wavelength ≤ 1260nm

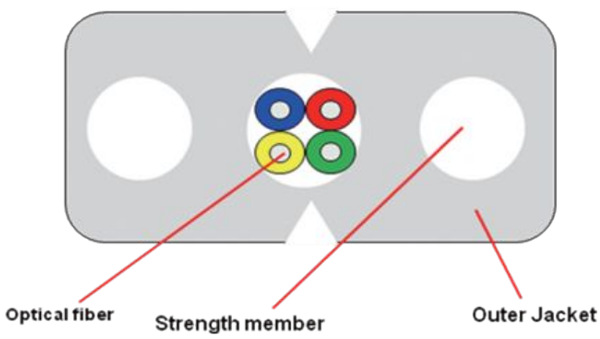
CHARACTERISTICS

No. of Core	Outer Diameter(mm)	Weight (Net.Kg/km)	Max. Tensile Load(N)	Min. Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
1F	3.0±0.1*5.8±0.2	20	1,300	D X 20	D X 15	10℃ ~ 70℃
4F	3.2±0.1*5.9±0.2	21				

Fiber Type Mini Drop Cable

DESCRIPTION

- ▸Single mode, 1 or 4 fibers
- ▸Reinforced FRP
- ▸Low Friction, LSZH Jacket



FEATURES&APPLICATIONS

- ▸Indoor Purpose Drop cable
- ▸Small Size
- ▸Light Weight
- ▸Duct Laying
- ▸Capable of Pushing into Tube(Low Friction)
- ▸FTTH(Fiber To The Home)

OPTICAL SPECIFICATIONS

- ▸Single mode @ 1310nm ≤ 0.36 dB/km @ 1383nm ≤ 0.36 dB/km @ 1550nm ≤ 0.22 dB/km @ 1625nm ≤ 0.25 dB/km

PMD ≤ 0.2dB(ps/km1/2)

Cut-off wavelength ≤ 1260nm

CHARACTERISTICS

No. of Core	Outer Diameter(mm)	Weight (Net.Kg/km)	MAX. Tensile Load(N)	Min. Bending Radius(mm)		Temperature Range(℃)
				Installation	Operation	
1F	1.65±0.1*2.45±0.1	16	150	30	15	-20℃ ~ 70℃
4F	1.75±0.1*2.45±0.1	6.5				

FTTx Pre-Connectorized Patch Cord

DESCRIPTION

The Pre-Connectorized Drop & Cord cables could be used for the purpose of the transition from Fiber Distribution Terminal to the individual living units or Multi Dwelling Units (MDU), and provide quick and easy deployment with the increased reliability. It also allowsfast turn up service and network reach, and lowers maintenance costs

SPECIFICATIONS

Description	UNIT	Specifications	Remarks
Insertion Loss	dB	≤ 0.3	
Return Loss	dB	≥ 50	UPC
		≥ 60	APC
Cord Length	m	Ordering Customized	
Jacketing Color	-	Black	

Parts	Structure	Material	colors	Remarks
Ferrule Cap	Ferrule Protect CapHousing, Boot	LDPE	UPC: BlueAPC: Green	
Ferrule	UPC	Zirconia Ceramic	White	
	APC	Zirconia Ceramic	WhiteAngle:8°±0.3	
Plug Frame	SC Type	PBT	White	
Stopper Frame	SC Type	PBT	White	
	-	Steel	-	

Fan-Out Type PLC SPLITTER 1(2×) N

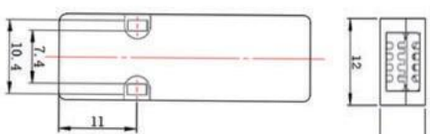
PLC (planar lightwave circuit) splitter is fabricated by using silica optical waveguide technology. It features wide operating wavelength range,
good channel-to-channel uniformity, high reliability and small size, and is widely used in PON networks to realize optical signal power management. We provide a whole series of 1 x N splitters that are tailored for specific applications. All products meet Telcordia 1209 and 1221 reliability requirements and are certified by TLC for network development requirement.

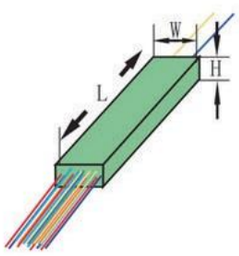
GOC can provide customized designs to meet specialized applications, and also offer modulars assemblies that integrated other components to form a full function module.

APPLICATIONS

- FTTX Solutions
- Passive Optical Network(PON)

FURCATION



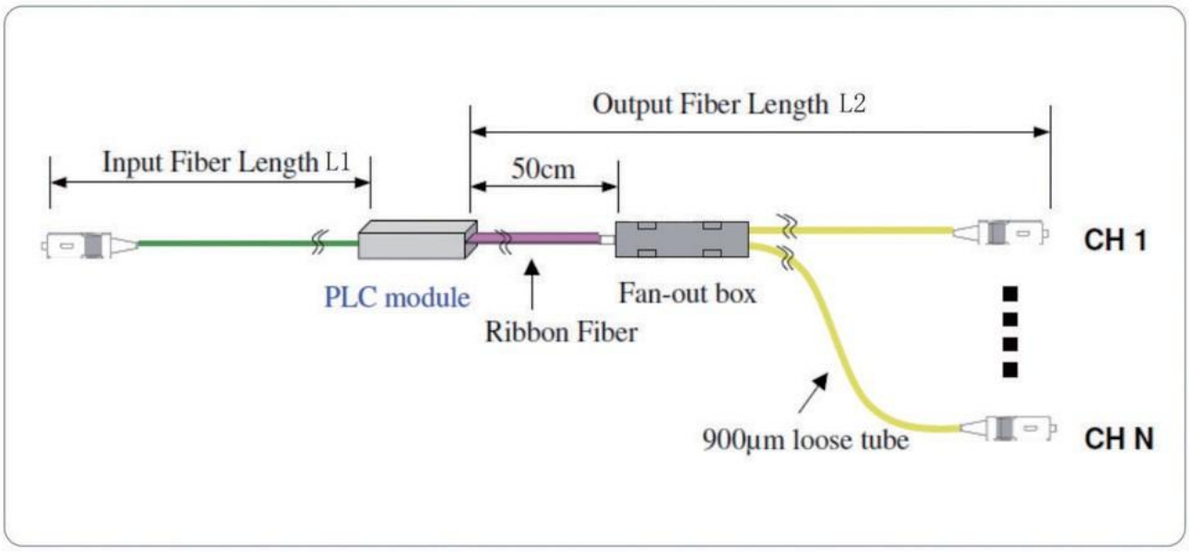


Dimension(nm)	1x2	1x4	1x8	1x16	1x32	1x64
L	40	40	50	50	55	55
W	4	4	7	7	7	13
H	4	4	4	4	4	4

Parameter for 1xN PLC Splitter(Without Connector)

PARAMETER	1x2	1x4	1x8	1x16	1x32
Insertion Loss(dB)	≤3.7	≤7.2	≤10.5	≤13.5	≤16.5
Uniformity(dB)	≤0.6	≤0.6	≤0.8	≤1.2	≤1.7
PDL(dB)	≤0.2	≤0.3	≤0.3	≤0.3	≤0.3
Return Loss(dB)	≥ 55				
Directivity(dB)	≥ 55				
Operating Wavelength(nm)	1260 ~ 1360nm & 1450 ~ 1650nm				
Oprating Temperature(℃)	-40℃ ~ 85℃				
Humidty Range	5% to 85% RH				

Fan-Out Type PLC SPLITTER 1(2×) N



PLC	XXX	XXX	X	XX	XX	X
	Input&Output	Input Tube Type	L1 length	L2 length	Input Connector	Output Connector
	Count	9=90mm Tight buffer	12=1.2m	12=1.2m	0=Nome	0=None
	104=1X4	Fiber	15=1.5m	15=1.5m	FC/PC	FC/PC
	.....	2=Ø2.0mm Fiber	150=15m	150=15m	AFC=FC/APC	AFC=FC/APC
	208=2X8	3=Ø3.0mm Fiber	.....	.....	SC/PC	SC/PC
					ASC=SC/APC	ASC=SC/APC
					Others	Others

▪ Parameter for 2xN PLC Splitter(Without

PARAMETER	2x2	2x4	2x8	2x16	2x32	2x64
Insertion Loss(dB)	≤3.9	≤7.5	≤10.8	≤14.1	≤17.4	≤21
Uniformity(dB)	≤0.8	≤1.2	≤1.5	≤2.0	≤2.5	≤2.5
PDL(dB)	≤0.2	≤0.3	≤0.4	≤0.4	≤0.4	≤0.4

INTERGRATED TYPE PLC

SPLITTER 1 X N

PLC (planar lightwave circuit) splitter is fabricated by using silica optical waveguide technology. It features wide operating wavelength range, good channel-to-channel uniformity, high reliability and small size, and is widely used in PON networks to realize optical signal power management. We provide a whole series of 1 x N and 2 x N splitters that are tailored for specific applications. All products meet Telcordia 1209 and 1221 reliability requirements and are certified by TLC for network development requirement.

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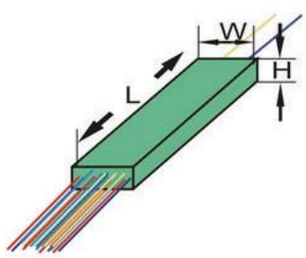
APPLICATIONS

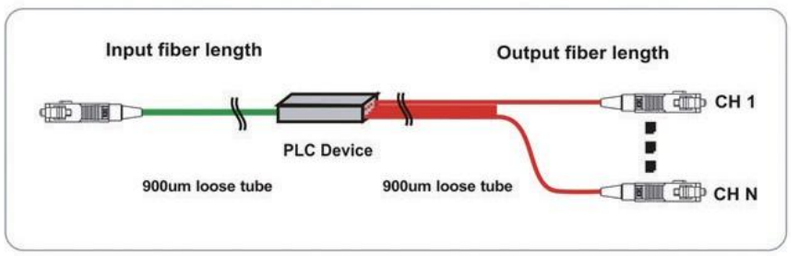
- FTTX Solutions
- Passive Optical Network(PON)

SPLITTER STAINLESS



Parameter for 1xN PLC Splitter(Without Connector)

PARAMETER	1x2	1x4	1x8	1x16	1x32
Insertion Loss(dB)	≤3.7	≤7.2	≤10.5	≤13.5	≤16.5
Uniformity(dB)	≤0.6	≤0.6	≤0.8	≤1.2	≤1.7
PDL(dB)	≤0.2	≤0.3	≤0.3	≤0.3	≤0.3
Return Loss(dB)	≥ 55				
Directivity(dB)	≥ 55				
Operating Wavelength(nm)	1260 ~ 1360nm & 1450 ~ 1650nm				
Oprating Temperature(℃)	-40℃ ~ 85℃				
Humidty Range	5% to 85% RH				

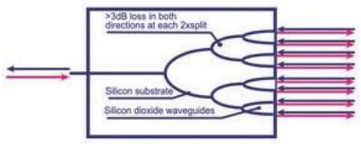


DIMENSION FOR PLC

Dimension(nm)	1x2	1x4	1x8	1x16	1x32
L	60	60	60	60	80
W	7	7	7	12	20
H	4	4	4	4	6

PLC	XXX	XXX	X	XX	XX	X
	Input&Output	Input Tube Type	L1 length	L2 length	Input Connector	Output Connector
	Count	buffer 9=90mm Tight	12=1.2m	12=1.2m	0=Nome	0=None
	104=1X4	Fiber 1.5=1.5m Fiber		15=1.5m	FC/PC	FC/PC
	.....	2=Ø2.0mm 150=15m Fiber		150=15m	AFC=FC/APC	AFC=FC/APC
	208=2X8	3=Ø3.0mm		.....	SC/PC	SC/PC
					ASC=SC/APC	ASC=SC/APC
					Others	Others

SCHEMATIC DIAGRAM



BOX TYPE PLC SPLITTER

1(2)×N

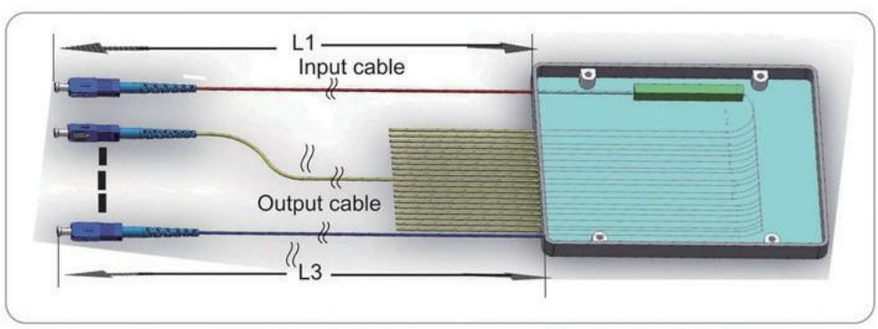
PLC (planar lightwave circuit) splitter is fabricated by using silica optical waveguide technology. It features wide operating wavelength range, good channel-to-channel uniformity, high reliability and small size, and is widely used in PON networks to realize optical signal power management. We provide a whole series of 1 x N and 2 x N splitters that are tailored for specific applications. All products meet Telcordia 1209 and 1221 reliability requirements and are certified by TLC for network development requirement.

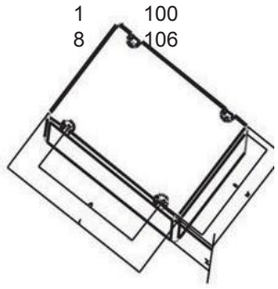
GOC can provide customized designs to meet specialized applications, and also offer modulars assemblies that integrated other components to form a full function module.

APPLICATIONS

- FTTX Solutions
- Passive Optical Network(PON)

Unit(mm)	Fan-out cable	L(mm)	W(mm)	H(mm)	A(mm)	B(mm)
1(2) x 2-8	0.9mm or 2.0mm	100		10	70	80
1(2) x 16-32	0.9mm	120	80	18	73	80
1(2) x 16	2.0mm	120	80	18	74	80
1(2) x 32	2.0mm	140	115	18	74	80
1(2) x 64	0.9mm or 2.0mm	140	115	18	100	106
				18	100	106





PLC-BOX	XXX	XXX	X	XX	XX	X
	Input&Output	Input Tube Type	L1 length	L2 length	Input Connector	Output Connector
	Count	9=90mm Tight buffer	12=1.2m	12=1.2m	0=Nome	0=None
	104=1X4	Fiber	15=1.5m	15=1.5m	FC/PC	FC/PC
	.....	2=Ø2.0mm Fiber	150=15m	150=15m	AFC=FC/APC	AFC=FC/APC
	208=2X8	3=Ø3.0mm Fiber	.....	.....	SC/PC	SC/PC
					ASC=SC/APC	ASC=SC/APC
					Others	Others

FIELD INSTALLABLE CONNECTOR

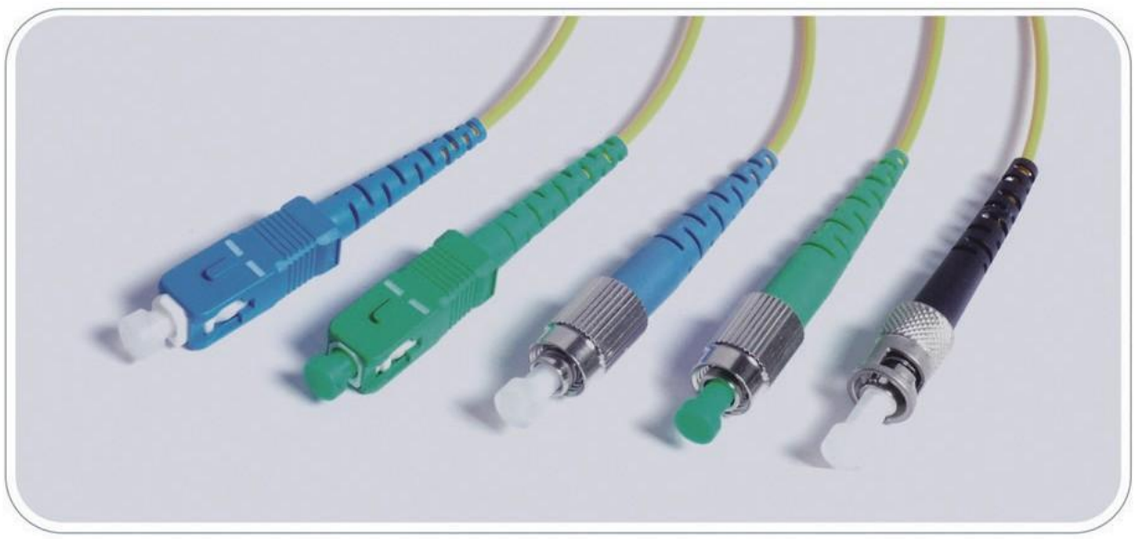
INTRODUCTION

The Field Installable Connector is cost-effective, and is designed for reusage, ease of installation, optical attenuation from 1dB to 20dB, and Fiber Bragg Grating (FBG) for fiber monitoring system.
FIC requires no field polishing or epoxy, so no heat cure devices or special tooling are needed to terminate the fiber. It takes about one to two minutes per fiber to install a connector out in the field.

Specifications for GSC

PARAMETER	SM : SC/PC, LC/PC	MM : SC/PC, LC/PC
Fiver Type	Single Mode : 9/125 ㎛	Multi Mode : 50/125㎛, 62.5//125㎛
Insertion Loss	Max. ≤0.5 dB Avg. ≤0.3 dB	Max. ≤0.5 dB Avg. ≤0.3 dB
Reflectance	≥ 40-50 dB(PC/UPC), ≥ 50-60 dB(APC)	
Operational Temperature	- 40 ~ 75℃	
Storage Temperature	- 40 ~ 80℃	
Tensile Load	3N Load ≤ 0.2 dB Change(0.9mm cable) 30N Load ≤ 0.2 dB Change(2.0/3.0mm cable)	

FIBER OPTICAL PATCH CORD



FEATURES

- Low insertion loss
- High return loss
- Various connector type available
- 100% in-house tested

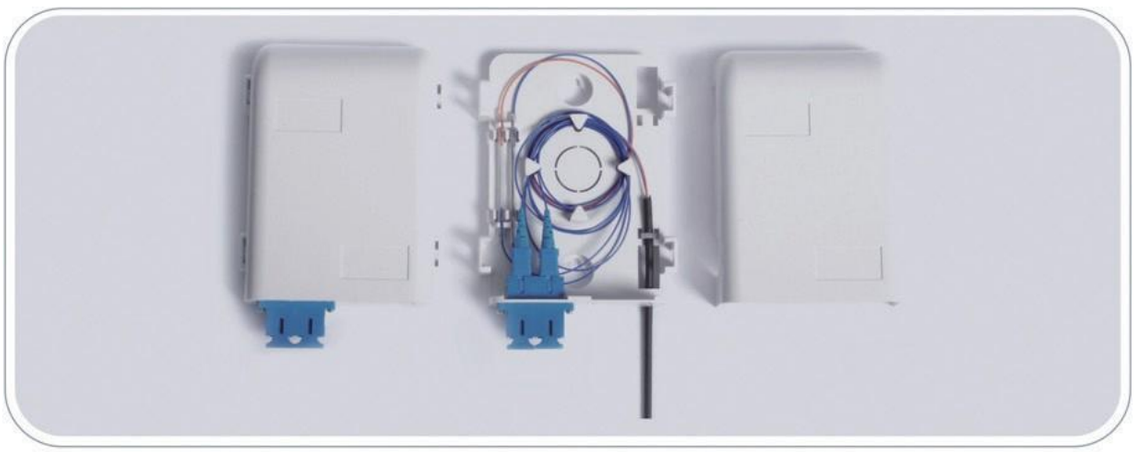
APPLICATIONS

- Fiber optic telecommunications
- Optical network equipments
- FTTH
- CATV, IPTV
- High speed transmission system

TECHNICAL

Fiber Mode	Single Mode		Multi Mode
Type	FC, SC, ST, LC, MU		FC, SC, ST, LC, MU
Ext. Diameter (mm)	0.9, 2.0, 3.0		0.9, 2.0, 3.0
Ferrule Type	PC	APC	PC
Insertion Loss (dB)	≤ 0.3	≤ 0.3	≤ 0.3
Return Loss (dB)	≥ 55	≥ 60	-
Operation Temperature(℃)	- 40 ~75		
Storage Temperature(℃)	- 55 ~ 85		

ACCESS TERMINAL BOX



INTRODUCTION

GOC has designed Access Terminal Box(ATB) to protect and funcation as a terminal for fiber optic drop cable and/or patch cords in the FTTH Networks. ATB is compact and cost-effective, and being used for the Indoor closure.

This ATB accepts the field-installable connector, fusion splice, and 1×4 splitter and 1×4 coupler for termination.

FEATURES

- Compact design for installation on the wall as well as inside the terminal panel.
- Two screw mounting holes are compatible with the size of the wall switch and telephone box.
- This box protects drop cable and other related optical fiber connection from accidental damage.
- Two inner holders retain up to two fusion splice sleeves or splitters/couplers.
- Inner storage area allows the minimum bend radius to prevent micro bends and attenuation.
- Two adapter slots allows up to two SC Type duplex adapters.
- Removable cover is designed for easy access.

TECHNICAL

PARAMETER	VALUE
Dimension(mm)	117×88×29
Weight(g)	75
Cable Count	1
Adapte	2 Duplex SC Adapter max.
Connection Type	Fusion splice, mechanical splice or field assembly connector

Aerial Joint Closure
(Ventilation type)

DESCRIPTION

- 1 X 8ch : 2ea, 1 x 16ch : 1ea optical splitter / 16 SC adapters can be mounted
- 16 drop cables(2.0mm*3.0mm) can be connected
- Passed humidity test : 2days, 55℃ / 90~96R.H
- IEC68-2-10 / 20 / 52
- IP 65 protection level

SPECIFICATIO

Box Material	PP+Fiberglass	Size(mm)	670*160*70
Fiber Tray Capacity	16	Weight(kg)	2.0-2.5

PACKING

Type	Name
GPJ09-9403	Ventilation type aerial joint Closure

Aerial Type Fiber Optic Terminal Box

DESCRIPTION

- 1 x 16 optical splitters and 16 SC adapters can be mounted
- 16 drop cables can be connected
- Protection Class IP55

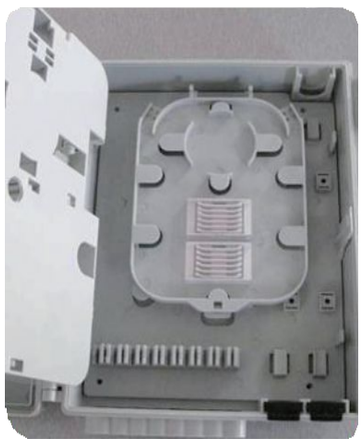
SPECIFICATIO

Box material	PP+Fiberglass	Size(mm)	600*153*73
Fiber tray capacity	24	Weight(kg)	1.8-2.5

PACKING

Type	Name
GPJ09-9402	Optical Fiber Cable Connector Box

Pole Type Fiber Optic Distribution Box



DESCRIPTION

- Installation / fixing method: wall-mounting or pole-mounting
- The maximum fiber capacity: 16 fibers
- Features : Fiber Optic Distribution Box could be used for the protection of the branch cables from the feeder cable in building in FTTH of PON technology

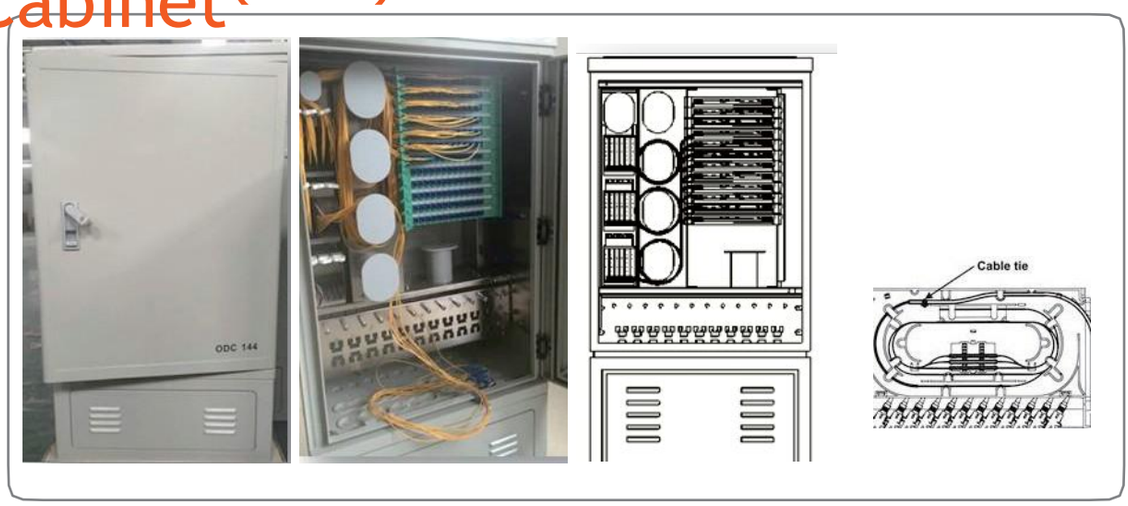
SPECIFICATIO

Box Material	high strength engineering-plastics ABS	Appearance size(mm)	292 X 248 X 100
Fiber tray capacity	16fibers2×1:8 PLC splitters and 1×1:16 PLC	Weight(kg)	2.5

PACKING

Type	Name
GF6-15N6S	Pole type Fiber Optic Distribution Box

Optical Distribution Cabinet (ODC)



DESCRIPTION

- Installation / Fixing method: Bottom-mounting.
- Maximum Fiber Capacity ; 144 & 288 fibers
- Features

ODC is an intermediaclosure(housing) dividing a feeder cableinto the distribution cables. It is installed on the ground, and branched out by using splitter inside Feeder cable could obtain up to 144 cores or 288 cores. It satisfies waterproof characteristics.

SPECIFICATIONS

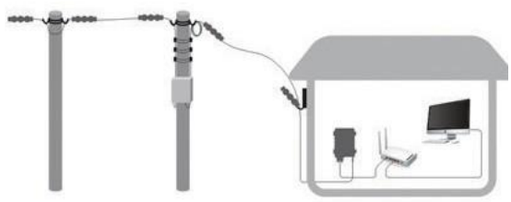
Fiber tray capacity	12F splicing & distribution tray 24F splicing & distribution tray

PACKING

Type	Name
GODC-144	GOC Optical Distribution Cabinet 144F
GODC-288	GOC Optical Distribution Cabinet 288F

FIBER OPTIC CABLE CLAMP

FEATURES



- Use to support messenger drop cable between the pole and house
- Accept 3.0mm diameter fiber optic drop cable
- Suitable for usage with most one and two pair drop cables
- Stainless steel tail wire, plastic(PVC) body
- RoHS compliant
- Mechanical (tensile) strength exceeds 50kg
- Patented

TECHNICAL

Size	220mm(L)x20mm(H)x40mm(W)
Bending Radius Allowance	>25mm
Tensile Load	50kgf
Material for Tail wire	STS-304
Material for Body	PVC
Operational Temperature	-30 ~ 40℃

S-TYPE FASTENER

DESCRIPTION

Binding or Pole self-supporting FTTH drop cable, then pull the cable with the supporting device. (Material:304stainless steel wire, fire-retardant ABS plastic parts)

SPECIFICATIO

Box Material	304stainless steel wire, fire-retardant ABS plastic parts	Appearance size(mm)	135*23*12
COLOR	BLACK	Weight(kg)	0.03

PACKING

Type	Name
FTTH S-TYPE FASTENER	S-TYPE fastener

C-TYPE WIRE RETRACTOR

DESCRIPTION

Use the screw to install the C-Type wire retractor on the outer wall of buildings, and connect the S type fastener to connect and fix the Self-supporting Optical Fiber Cable

SPECIFICATIO

Material	3.0mm cold-rolled sheet	Appearance size(mm)	54*54*35
Surface finishing	cold galvanizing	Weight(kg)	0.054

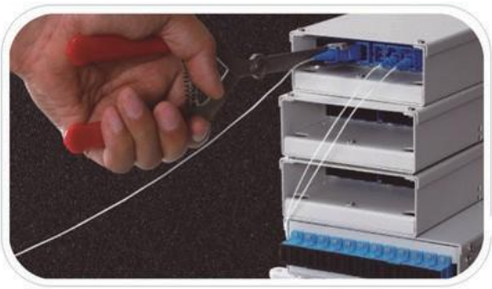
PACKING

Type	Name
Wire Retractor	C-typeWire Retractor

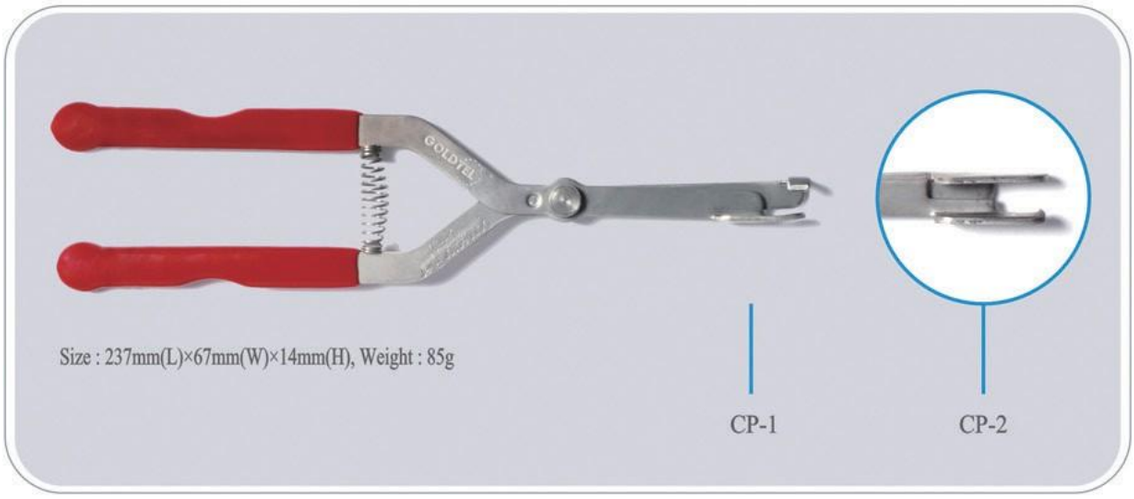
OPTICAL CONNECTOR PLIER

(Optical Connector Extraction Tool)

FEATURES



- Design for ease of use with one hand
- Safe and easy installation and removal of each type optical connectors
- Excellent performance in areas of populated connections
- Accident Prevention from worket's carelessness
- High Reliability and Stability



PRODUCT LIST

Item No.	Connector Type
CP-1	SC Type only
CP-2	SC/LC Type

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