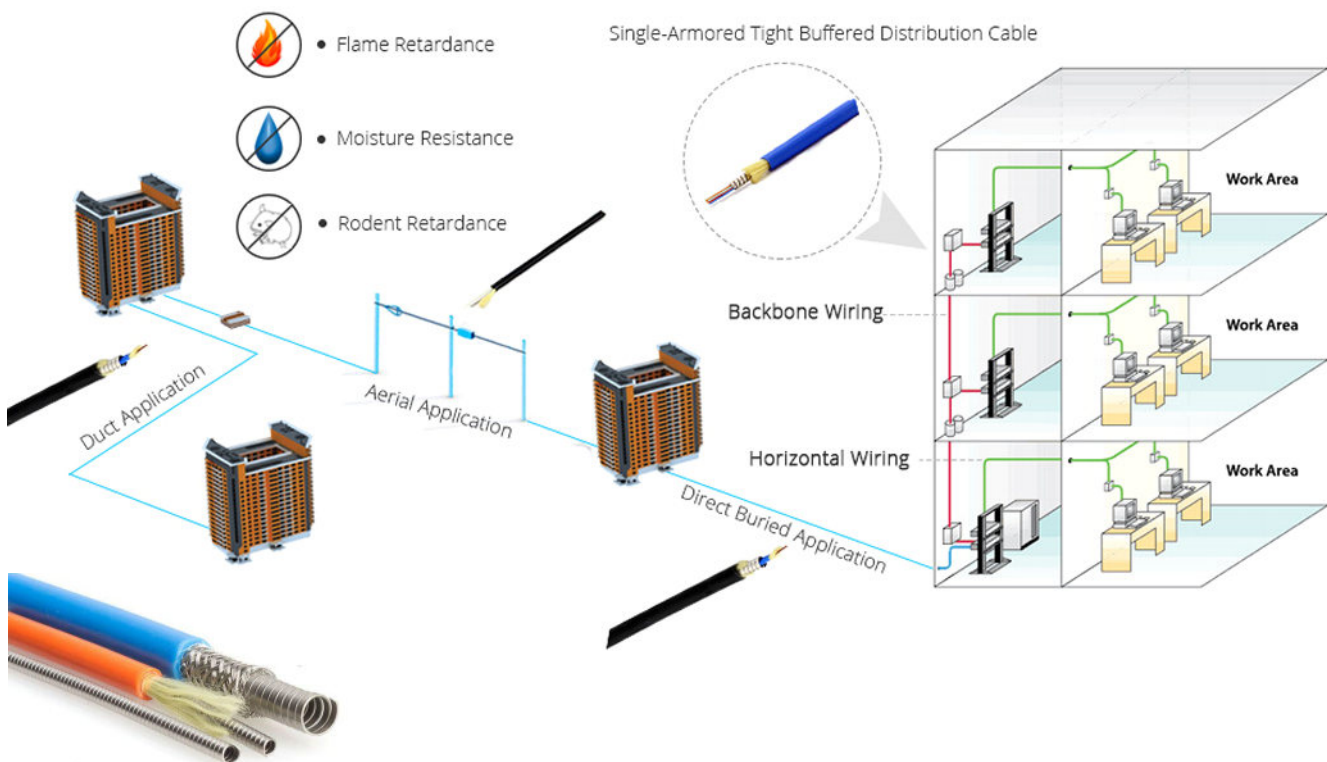


DATASHEET

Indoor Armored FO cable-Simplex

Ideal for Stronger indoor cabling, end users directly cabling, and access network.



DATA SHEET

Indoor Armored FO cable-Simplex

Ideal for Stronger indoor cabling, end users directly cabling, and access network.



Indoor Armored FO cable-Simplex

Product introduction

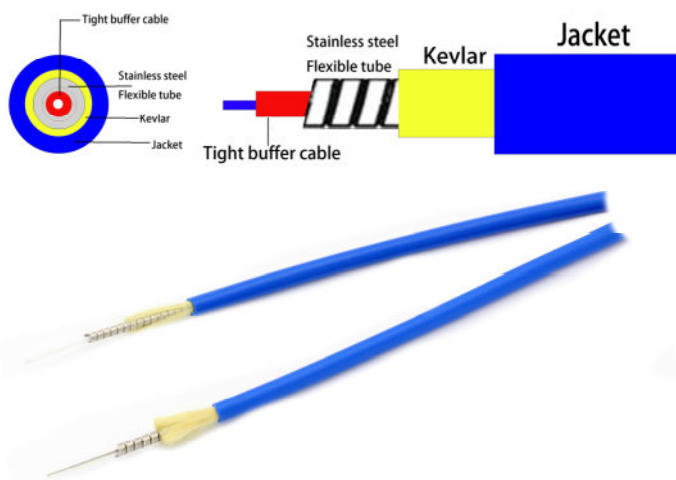
The Simplex Armored cable consists of a 0.6mm or 0.9mm tight buffer fibers, An armored flexible metal tube, a layer of Kevlar yarn, and an outer jacket. It is an ideal choice for direct connection. It's the easiest fiber cable to install where direct termination of connectors to sub-units and direct run to panels and equipment is desired.

The armored cable is a special cable with a stainless-steel Spiral Pipe inside the cable which could protect the fiber bite by ant, mouse related rodent animals.

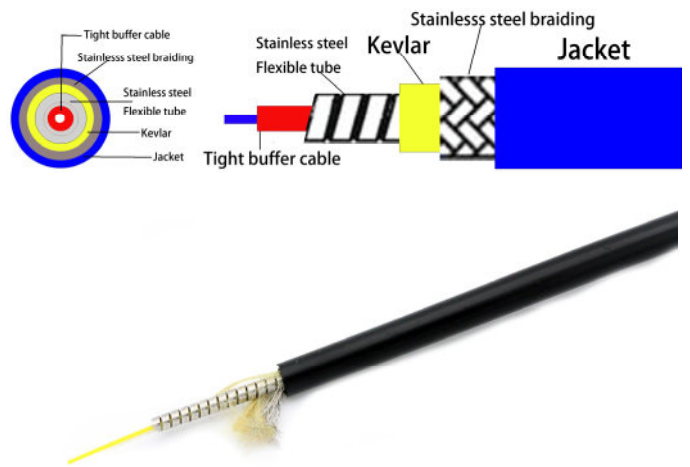
This cable could be used as normal electric wire.

Cable structure

Simplex Spiral Pipe Armored Cable



Simplex Spiral Pipe+stainless steel braiding Armored Cable



Technical Data:

Fiber Type	G652D,G655,G657,OM1,OM2,OM3,OM4			
Coating Material	PVC, OFNR, OFNP, LSZH, LSOH, PE			
OD Optional (mm)	2.0	2.4	2.8/3.0	3.0/3.3
Armored unit	Stainless-steel Spiral Pipe			Stainless-steel Spiral Pipe +stainless steel braiding
Max Tension (Long term/ Short term N)	200/400	200/400	200/400	300/500
Max Crushing Resistance (N/100m)(Long term/ Short term)	1000/3000	1000/3000	1000/3000	2000/3000
Min Bending Radius (mm)	Dynamic 20D/Static 10D (except G657)			
Temperature range	-20°C ~+70°C			

Features

- High anti-tensility; High anti-pressure
- High bent Resistance; Anti-bite from rodent animals
- Small OD stainless steel protection tube
- Don't worry about damage in project
- Easy to maintain

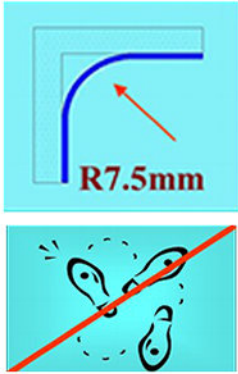
Application

- Armored patch cord pigtail assemblies.
- Cabling installation on floor, wall corner and main communication line.
- Other ODN, FTTH project.

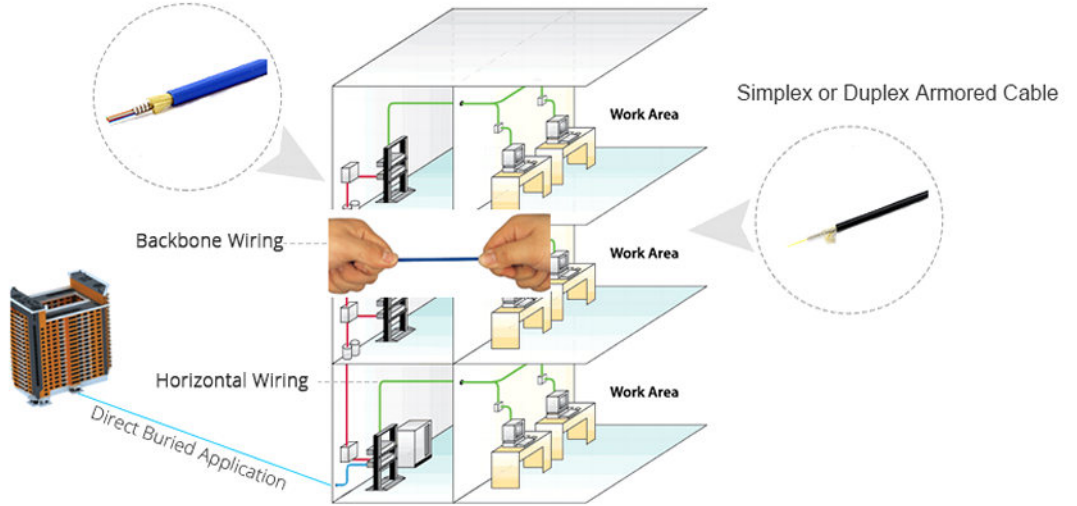
Indoor Armored FO cable-Simplex

Ideal Using of Armored Cable in FTTH.

-  • Flame Retardance
-  • Moisture Resistance
-  • Rodent Retardance



Single-Armored Tight Buffered Distribution Cable



Package

Package with Roll

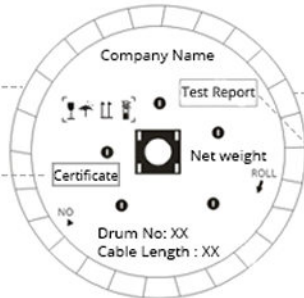


Fumigation Certificate

Warm Tips:

- Cable in stock, ship same day.
- 2KM/roll for satandard package.
- Other length is also available without MOQ.

Package with Carton



Test Report

DATA SHEET

Indoor Armored FO cable-Zipcord Duplex

Ideal for Stronger indoor cabling, end users directly cabling, and access network.



Indoor Armored FO cable-Zipcord Duplex

Product introduction

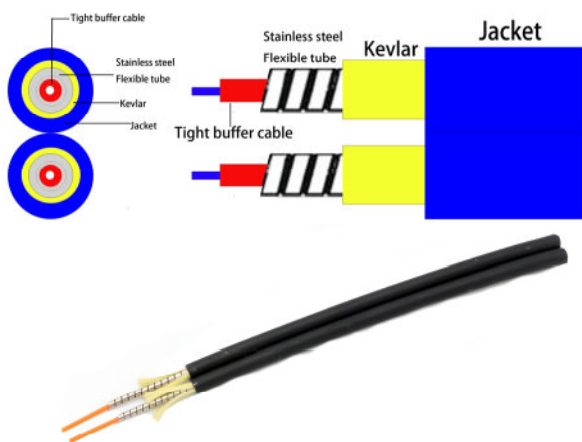
The Zipcord Duplex Armored cable consists of a 0.6mm or 0.9mm tight buffer fibers, An armored flexible metal tube, a layer of Kevlar yarn, and an outer jacket. It is an ideal choice for direct connection. It's the easiest fiber cable to install where direct termination of connectors to sub-units and direct run to panels and equipment is desired.

The armored cable is a special cable with a stainless-steel Spiral Pipe inside the cable which could protect the fiber bite by ant, mouse related rodent animals.

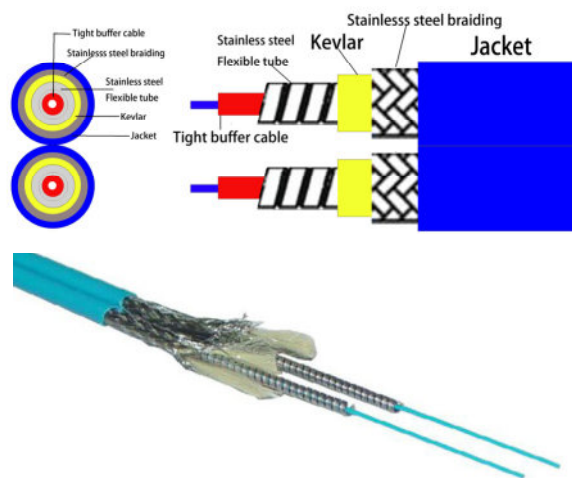
This cable could be used as normal electric wire.

Cable structure

Zipcord Duplex Spiral Pipe Armored Cable



Zipcord Duplex Spiral Pipe+stainless steel braiding Armored Cable



Technical Data:

Fiber Type	G652D,G655,G657,OM1,OM2,OM3,OM4			
Coating Material	PVC, OFNR, OFNP, LSZH, LSOH, PE			
OD Optional (mm)	2.0x4.1	2.4x5.9	3.0x6.1	3.0x6.1/3.3x6.7
Armored unit	Stainless-steel Spiral Pipe			Stainless-steel Spiral Pipe +stainless steel braiding
Max Tension (Long term/ Short term N)	300/500	400/600	400/600	500/1200
Max Crushing Resistance (N/100m)(Long term/ Short term)	1000/3000	1000/3000	1000/3000	2000/3000
Min Bending Radius (mm)	Dynamic 20D/Static 10D (except G657)			
Temperature range	-20°C ~ +70°C			

Features



- High anti-tensility; High anti-pressure
- High bent Resistance; Anti-bite from rodent animals
- Small OD stainless steel protection tube
- Don't worry about damage in project
- Easy to maintain

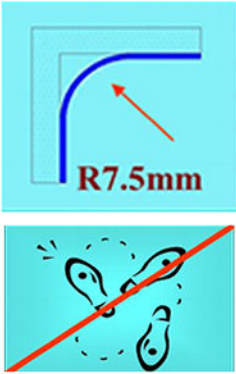
Application

- Armored patch cord pigtail assemblies.
- Cabling installation on floor, wall corner and main communication line.
- Other ODN, FTTH project.

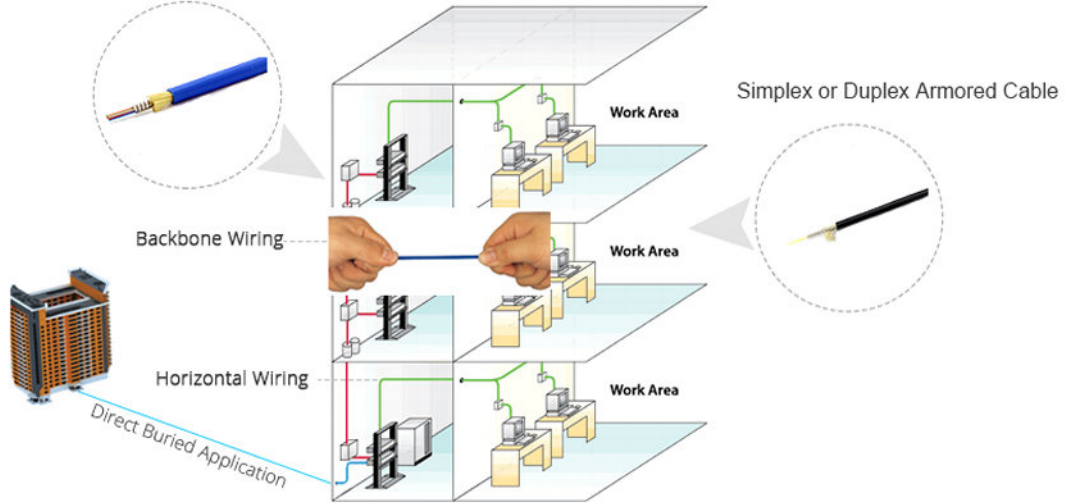
Indoor Armored FO cable-Zipcord Duplex

Ideal Using of Armored Cable in FTTH.

-  • Flame Retardance
-  • Moisture Resistance
-  • Rodent Retardance



Single-Armored Tight Buffered Distribution Cable



Package

Package with Roll

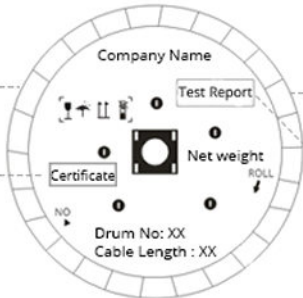


Fumigation Certificate

Warm Tips:

- Cable in stock, ship same day.
- 2KM/roll for satandard package.
- Other length is also available without MOQ.

Package with Carton



Test Report

DATA SHEET

Indoor Armored FO cable- Uni-tube Duplex

Ideal for Stronger indoor cabling, end users directly cabling, and access network.



Indoor Armored FO cable-Uni-tube Duplex

Product introduction

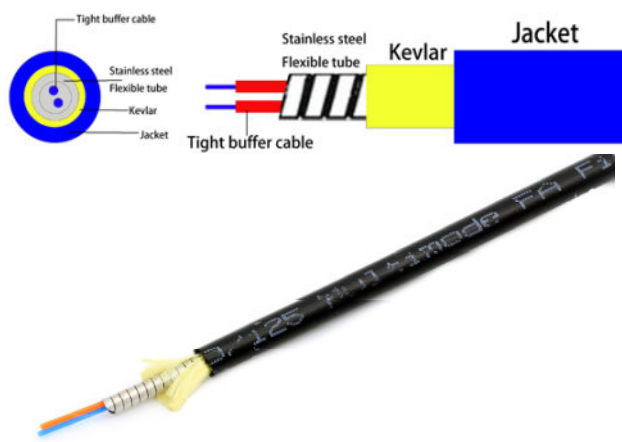
The Uni-tube Duplex Armored cable consists of a 0.6mm or 0.9mm tight buffer fibers, An armored flexible metal tube, a layer of Kevlar yarn, and an outer jacket. It is an ideal choice for direct connection. It's the easiest fiber cable to install where direct termination of connectors to sub-units and direct run to panels and equipment is desired.

The armored cable is a special cable with a stainless-steel Spiral Pipe inside the cable which could protect the fiber bite by ant, mouse related rodent animals.

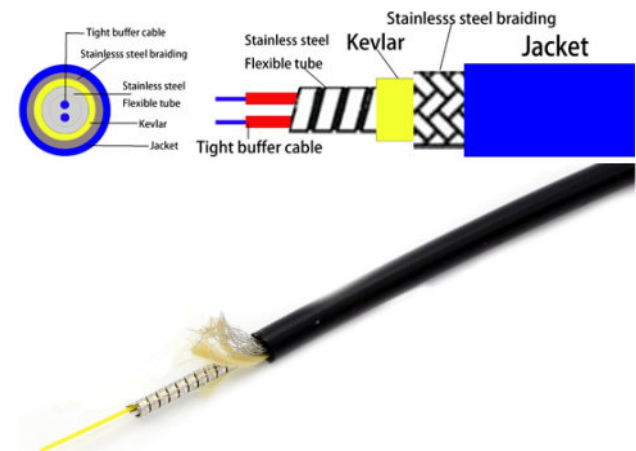
This cable could be used as normal electric wire.

Cable structure

Uni-tube Duplex Spiral Pipe Armored Cable



Uni-tube Duplex Spiral Pipe+stainless steel braiding Armored Cable



Technical Data:

Fiber Type	G652D,G655,G657,OM1,OM2,OM3,OM4	
Coating Material	PVC, OFNR,OFNP,LSZH,LSOH	
OD Optional(mm)	3.3	3.3
Armored unit	Stainless-steel Spiral Pipe	Stainless-steel Spiral Pipe +stainless steel braiding
Max Tension (Long term/ Short term N)	200/400	300/500
Max Crushing Resistance(N/100) (Long term/ Short term N)	1000/3000	2000/3000
Min Bending Radius(mm)	Dynamic 20D/Static 10D (except G657)	
Temperature range	PVC: -20°C ~+90°C ; LSZH: -20°C ~+70°C	

Features

- High anti-tensility; High anti-pressure
- High bent Resistance; Anti-bite from rodent animals
- Small OD stainless steel protection tube
- Don't worry about damage in project
- Easy to maintain

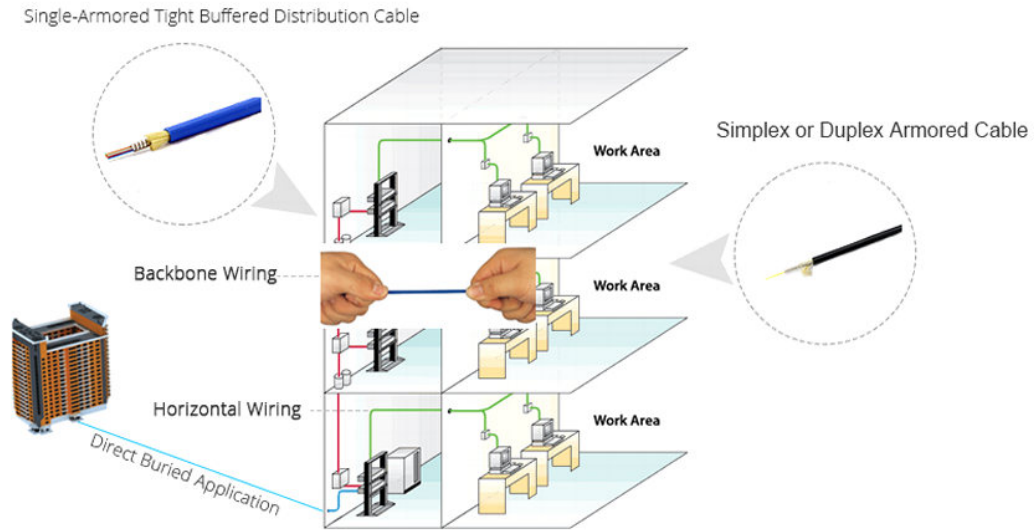
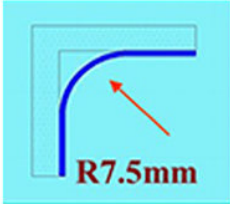
Application

- Armored patch cord pigtail assemblies.
- Cabling installation on floor, wall corner and main communication line.
- Other ODN, FTTH project.

Indoor Armored FO cable-Uni-tube Duplex

Ideal Using of Armored Cable in FTTH.

-  • Flame Retardance
-  • Moisture Resistance
-  • Rodent Retardance



Package

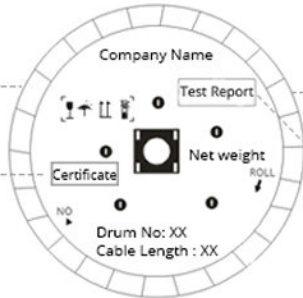
Package with Roll



Fumigation Certificate

Warm Tips:

- Cable in stock, ship same day.
- 2KM/roll for standard package.
- Other length is also available without MOQ.



Test Report

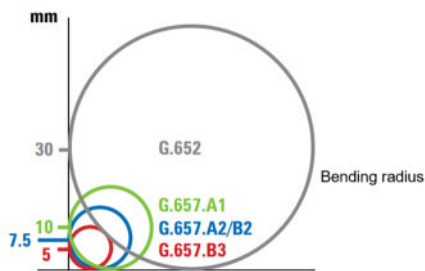
Package with Carton



Indoor Armored FO Cable

Optical fiber technical parameters-SMF

Item	Unit	Specification
Attenuation	dB/km	1310nm ≤ 0.4 ; 1550nm ≤ 0.3
Dispersion	Ps/nm. km	1285~1330nm ≤ 3.5, 1550nm ≤ 18.0
Zero dispersion wavelength	Nm	1300~1324
Zero dispersion slope	Ps/nm. km	≤ 0.095
Fiber cutoff wavelength	Nm	≤ 1260
Mode field diameter	Um	9.2±0.5
Mode field concentricity	Um	≤ 0.8
Cladding diameter	um	125±1.0
Cladding non-circularity	%	≤ 1.0
Coating/cladding concentricity error	Um	≤ 12.5
Coating diameter	um	245±10
Bending, dependence induced attenuation	1550nm, 1turns,32mm diameter 100rums,60mm diameter	≤ 0.5 dB
Proof test	kpsi	≥ 100



ITU recommendation G.657 specifies two classes of single-mode bend insensitive fiber patch cables: G.657 A and G.657 B. Each category (A and B) is then divided into two sub-categories: G.657.A1, G.657.A2 and G.657.B1, G.657.B2. The minimum bend radius of G.657.A1 fibers is 10 mm, of the G.657.A2 and G.657.B1 fibers is 7.5 mm and of the G.657.B2 fibers is 5 mm. Among, ITU-T G.657.A1 and ITU-T G.657.A2 fibers are fully compliant with ITU-T G.652.D fibers.

Optical fiber technical parameters-MMF

Item	Unit	Specification	
Attenuation	dB/km	850nm ≤ 3.5	
Bandwidth	MHz*km	50/125μm	62.5/125μm
		850nm ≥ 200	850nm ≥ 160
		1300nm ≥ 200	1300nm ≥ 200
Step	dB	≤ 0.1	
Irregularities over fiber length and point discontinuity	dB	≤ 0.1	
Difference backscatter coefficient	dB/km	50/125μm	62.5/125μm
		≤ 0.08	≤ 0.1
Cladding diameter	um	125±1.0	
Cladding non-circularity	%	≤ 1.0	
Coating/cladding concentricity error	Um	≤ 12.5	
Coating diameter	um	245±10	
Bending, dependence induced attenuation	850nm, 1300nm 100 turns,75mm diameter	≤ 0.5 dB	
Proof test	kpsi	≥ 100	

Indoor Armored FO Cable

Technical Data-Transmission

Fiber type	Attenuation				OFL bandwidth	Effective modal bandwidth	10 Gigabit Ethernet SX	Min bend radius
	1310/1550nm		850/1300nm					
Conditions	Typical	Maximum	Typical	Maximum	850/1300nm	850nm	850nm	/
Unit	dB/km	dB/km	dB/km	dB/km	MHZ.km	MHZ.km	m	mm
G652D	0.36/0.22	0.5/0.4	---	---	---	---	---	16
G657A1	0.36/0.22	0.5/0.4	---	---	---	---	---	10
G657A2	0.36/0.22	0.5/0.4	---	---	---	---	---	7.5
50/125	---	---	3.0/1.0	3.5/1.5	≥500/500	---	---	30
62.5/125	---	---	3.0/1.0	3.5/1.5	≥200/500	---	---	30
OM3	---	---	3.0/1.0	3.5/1.5	≥1500/500	≥2000	≤300	30
OM4	---	---	3.0/1.0	3.5/1.5	≥3500/500	≥4700	≤550	30
BIF-OM3	---	---	3.0/1.0	3.5/1.5	≥1500/500	≥2000	≤300	7.5
BIF-OM4	---	---	3.0/1.0	3.5/1.5	≥3500/500	≥4700	≤550	7.5

Order Index

Cable	Fiber Count	Fiber Mode	Strength Member	Cable Color
W5-Single Spiral Pipe Armored cable	1- Simplex	1 - G657A1	1- PVC	A- Blue
W6-SingleSpiral Pipe +Steel braiding Armored cable	2 -Zipcord Duplex	2- G657A2/B2	2- OFNR	B- Orange
	3-Uni-tube Duplex	3 - G657B3	3- LSZH	C- Green
		4-OM1	4- PE	D- Brown
		5-OM2	5- OFNP	E- Grey
		6-OM3		F- White
		7-OM4		G- Red
		8-OM5		H- Black
				I- Yellow
			J- Purple	
			K- Pink	
			L- Aqua	
			M-Magenta	