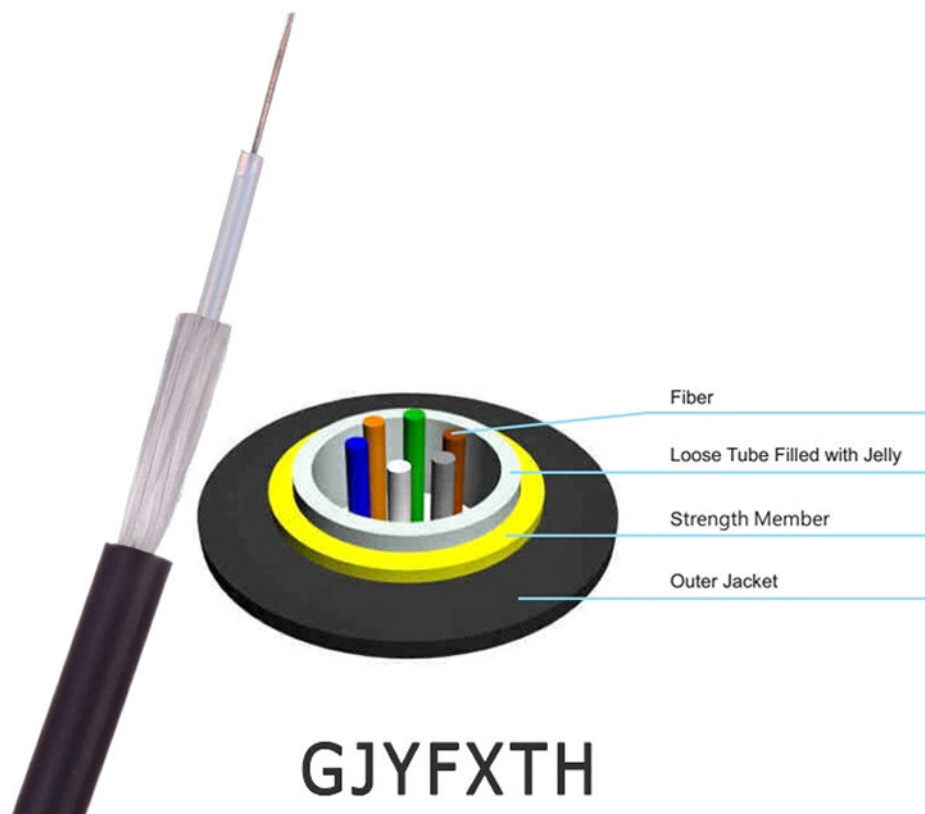


DATA SHEET

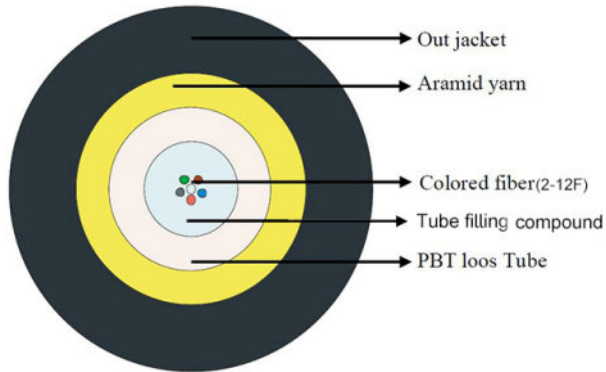
Indoor&Outdoor No-armored FO Cable -(2-12cores)

Make High-speed Optical network Connections.



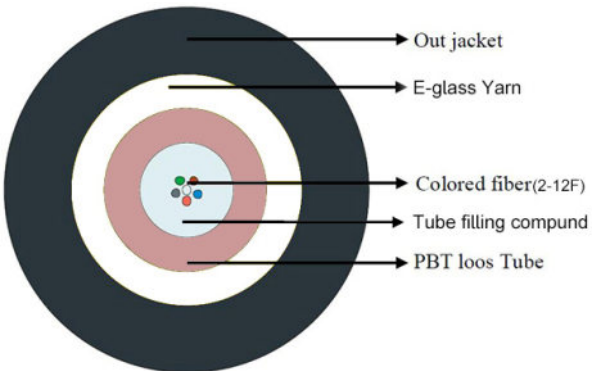
Indoor&Outdoor No-armored FO Cable -(2-12cores)

Cable structure



E-Glass Yarn

Cable Count	Outside Diameter	Weight (KG)	Minimum allowable Tensile Strength (N)		minimum allowable Crush Load (N/100mm)		Minimum Bending Radius (MM)		Storage temperature (°C)
	(MM)		short term	long term	short term	long term	short term	long term	
02	6.0±0.3	45.00	600	200	1000	200	20D	10D	-20+60
04	6.0±0.3	45.00	600	200	1000	200	20D	10D	-20+60
06	6.0±0.3	45.00	600	200	1000	200	20D	10D	-20+60
08	6.0±0.3	45.00	600	200	1000	200	20D	10D	-20+60
10	6.0±0.3	45.00	600	200	1000	200	20D	10D	-20+60
12	6.0±0.3	45.00	600	200	1000	200	20D	10D	-20+60



Aramid Yarn

Cable Count	Outside Diameter	Weight (KG)	Minimum allowable Tensile Strength (N)		minimum allowable Crush Load (N/100mm)		Minimum Bending Radius (MM)		Storage temperature (°C)
	(MM)		short term	long term	short term	long term	short term	long term	
02	6.0±0.3	38.00	1000	400	1000	300	20D	10D	-20+60
04	6.0±0.3	38.00	1000	400	1000	300	20D	10D	-20+60
06	6.0±0.3	38.00	1000	400	1000	300	20D	10D	-20+60
08	6.0±0.3	38.00	1000	400	1000	300	20D	10D	-20+60
10	6.0±0.3	38.00	1000	400	1000	300	20D	10D	-20+60
12	6.0±0.3	38.00	1000	400	1000	300	20D	10D	-20+60

Indoor&Outdoor No-armored FO Cable -(2-12cores)

Standard color of fiber and tube

The color code of the tubes and the individual fibers, shall be in accordance with the table as below:

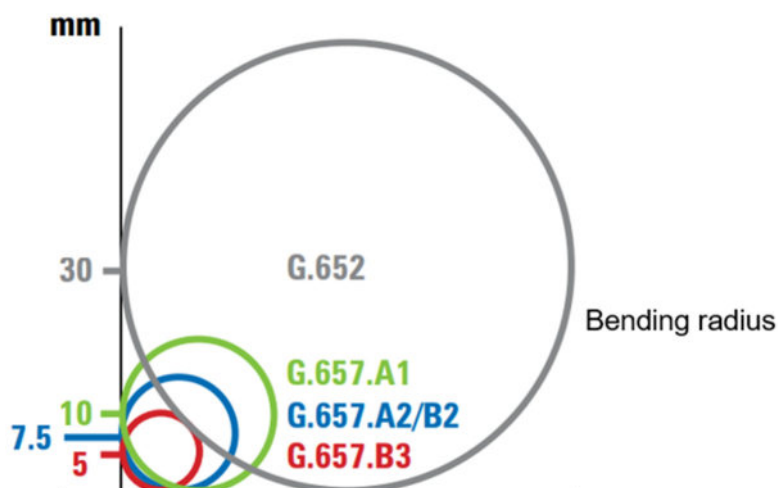
No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Slate	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

Transport/Storage/Operating Temperature:-40°C ~ +70°C

Standard Reel Length: 2000m; Other lengths available in request.

Optical fiber technical parameters-SMF

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

Indoor&Outdoor No-armored FO Cable -(2-12cores)

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	

Technical Data-Transmission

Fiber type	Attenuation				OFL bandwidth	Effective modal band-width	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

Indoor&Outdoor No-armored FO Cable -(2-12cores)

Technical Data-Transmission

Fiber type	Attenuation				OFL bandwidth	Effective modal bandwidth	10 Gigabit Ethernet SX	Min bend radius
Conditions	1310/1550nm		850/1300nm		850/1300nm	850nm	850nm	/
	Typical	Maximum	Typical	Maximum				
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