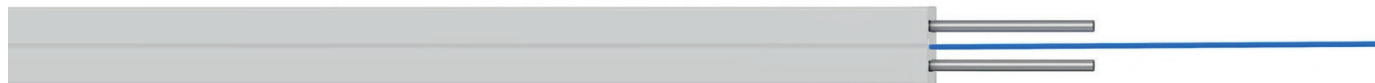


DROP CABLE GJXH

Outdoor Self-supporting FTTH Drop

FTTH Aerial Self-supporting Drop cable- GJXH**Outdoor Self-supporting FTTH Drop**

Self-supporting FTTH drop cable is constructed with one or two single-mode fiber (G.657A2). The cable is protected by a dielectric strength member made of fiberglass reinforced plastic (FRP), steel wire and a LSZH outer jacket. Designed for outdoor installation, the cable is well suited for connections between the dome closure and small dwelling unit/warehouse and independent villas.

Characteristics

- Self-supporting structure, light weight, easy to install
 - Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property
 - Steel wire as additional strength member has high tensile strength
 - Two parallel FRP strength members ensure good performance of crush resistance to protect the fiber
 - Simple structure, light weight and high practicability
 - Novel flute design, easily strip and splice, simplify the installation and maintenance
- Durable and flame retardant LSZH sheath, low smoke zero halogen

TECHNICAL DATA

Fiber Count	1F - YOFC G657A2
Packet	2000 meter or 1000 meter
Strength member	2* 0.5±0.05mm
Cable diameter(mm) Approx. / Color	2.0*3.0±0.1mm / White
Cable weight(kg/km) Approx	18.5/20
Tensile Strength Short/ Long Term(N)	300/600
Crush resistance short/long term (N/100mm)	2200/1000
Operating temperature range(°C)	-20°C ~+70°C



ITU G657A1 & A2 Fiber

Category	Description		ITU G657A1	ITU G657A2
			≤0.35	Standard
Optical transmission performance	Attenuation coefficient	≤0.35	≤0.35	≤0.35
		≤0.21	≤0.35	≤0.35
		≤0.23	≤0.21	≤0.21
		≤0.03	≤0.23	≤0.23
	Attenuation inhomogeneity	≤0.03	≤0.03	≤0.05
	Attenuation discontinuity	≤0.05	≤0.03	≤0.05
	Wavelength attenuation	≤0.35	≤0.05	≤0.05

Main Mechanical and Environmental

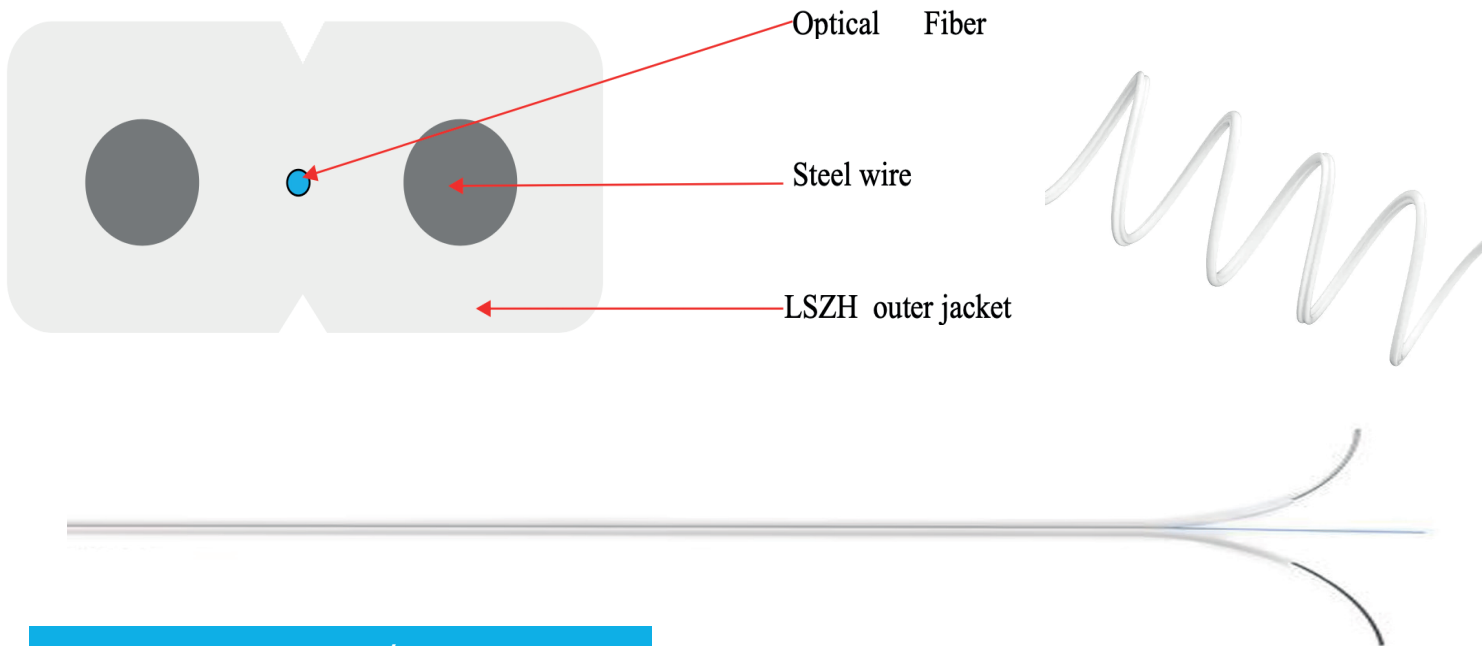
Items	Test Standard	Specified Value	Requirements
Tension	IEC 60794-1-2-E1	See Technical data	Additional attenuation: ≤0.4dB after test
Crush	IEC 60794-1-2-E3	See Technical data	Additional attenuation: ≤0.4dB after test
Impact	IEC 60794-1-2-E4	R=300mm, 10Nm,	Additional attenuation: ≤0.4dB after test
Repeated Bending	IEC 60794-1-2-E6	one in 3 different places	Additional attenuation: ≤0.4dB after test
Temperature Cycling	IEC 60794-1-2-F1	R=30H	Attenuation change: ≤0.4dB/km after test

Application

- Outdoor aerial application
- Used in the FTTH projects
- High speed optical routes in building
- High performance optical network operation

Category		Description	ITU G657A1	ITU G657A1	
Optical transmission performance	trans-performance	characteristics	1525~1575nm	≤0.05	≤0.05
		Dispersion characteristic	The zero dispersion The zero dispersion	1300~1324	1300~1324
			Zero dispersion slope	≤0.092	≤0.092
			1288~1339nm	≤3.5	≤3.5
			1271~1360nm	≤5.3	≤5.3
			1550nm	≤18	≤18
			1625nm	≤22	≤22
		The polarization mode dispersion of the fiber		≤0.1	≤0.1
		Fiber cutoff wavelength		≤1260	≤1260
		Macro bending loss (10 laps,30mm)	1550nm	≤0.2dB	≤0.03
		(10 laps,30mm)	1625nm	≤0.5dB	≤0.1
		(1 lap,20mm)	1550nm	≤0.3dB	≤0.1
		(1 lap,20mm)	1625nm	≤1.0dB	≤0.2
		(1 lap,15mm)	1550nm	-	≤0.5
		(1 lap,15mm)	1625nm	-	≤1.0
		Mode field diameter	1310nm	8.8±0.4	8.6±0.4
Dimension parameter		Warp degrees		≥4.0	≥4.0
		Cladding diameter		125 ± 0.7	125 ± 0.7
		Core/package concentricity		≤0.5	≤0.5
		Cladding non-circularity		≤1.0%	≤1.0%
		Coating diameter		243± 5	243± 5
		Coating concentricity		≤8	≤8
		Coating roundness		≤3%	≤3%
Mechanical property		Strain		≥1.05%	≥1.05%
		Tensile strength(10m)	15% Weber fracture probability	2.76	2.76
			50% Weber fracture probability	3.45	3.45
		Fatigue parameters Nd		≥ 22	≥ 22
		Coating peak stripping force N		1.0~8.9	1.0~8.9
		Coating average stripping force N		1.0~5.0	1.0~5.0
Environmental performance		Additional damping temperature cycle (-60°C - +85°C) dB/ km@1310nm,1550nm, 1625 nm		≤ 0.05	≤ 0.05
		Wet and heat aging (+85±2°C, 85%RH,30 days) dB/ km@1310nm, 1550nm, 1625 nm		≤ 0.05	≤ 0.05
		High temperature aging(85±2°C,30 days) dB/km @1310nm,1550 nm, 1625 nm		≤ 0.05	≤ 0.05
		Additional attenuation of flooding (23±2°C,30 days) dB/km @1310nm,1550 nm, 1625 nm		≤ 0.05	≤ 0.05

Cable Construction:



Package: 2000 Meter /Roll

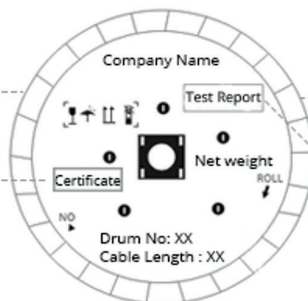
Package with Roll



Fumigation Certificate

Warm Tips:

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



Package with Carton



Test Report



Sturdy wooden plate



Wire Reel



Packed into Cardboard box



Label printed on the Reel



Carton Package



Tray Package