

FTTH AERIAL SELF-SUPPORTING DROP CABLE- GJYXFCH



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,2F and 4F - YOFC G657A2
Message Wire	Solid Steel wire 1.0mm
Strength member	Solid Steel wire (0.45mm)
Cable diameter(mm) Approx. / Color	2.0*5.0(±0.1mm) / Black
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



Fiber style		Unit	SM G652D	SM G657A1	SM G657A2
Condition		nm	1310/1550	1310/1550	1310/1550
Attenuation		dB/km	≤0.36/0.23	≤0.35/0.21	≤0.35/0.21
Dispersion	1310nm	Ps/(nm*km)	≤18	≤18	≤18
	1550nm	Ps/(nm*km)	≤22	≤22	≤22
Zero dispersion wavelength		nm	1312±10	1312±10	1300-1324
Zero dispersion slope		ps/(nm ² ×Km)	≤0.091	≤0.090	≤0.092
PMD Maximum Individual Fiber		[ps/√km]	≤0.2	≤0.2	≤0.2
PMD Design Link Value		ps/(nm ² ×Km)	≤0.08	≤0.08	≤0.08
Fiber cutoff wavelength λ		nm	≥ 1180,≤1330	≥ 1180,≤1330	≥ 1180,≤1330
Cable cutoff wavelength λ _{cc}		nm	≤1260		
MFD	1310nm	um	9.2±0.4	9.0±0.4	9.8±0.4
	1550nm	um	10.4±0.8	10.1±0.5	9.8±0.5
Step(mean of bidirectional measurement)		dB	≤0.05	≤0.05	≤0.05
Irregularities over fiber length and point discontinuity		dB	≤0.05	≤0.05	≤0.05
Difference backscatter coefficient		dB/km	≤0.03	≤0.03	≤0.03
Attenuation uniformity		dB/km	≤0.01	≤0.01	≤0.01
Cladding diameter		um	125.0±0.1	124.8±0.1	124.8±0.1
Cladding non-circularity		%	≤1.0	≤0.7	≤0.7
Coating diameter		um	242±7	242±7	242±7
Coating/chaffinch concentricity error		um	≤12.0	≤12.0	≤12.0
Coating non circularity		%	≤6.0	≤6.0	≤6.0
Core/cladding concentricity error		um	≤0.6	≤0.5	≤0.5
Curl(radius)		um	≥4	≥4	≥4

Application



Package: 1000 Meter /Roll

