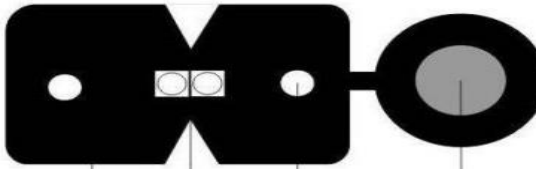


FTTH - Self-supporting Bow-type drop cables for access network

Product description : GJYXFCH-2G.657A2 ; FRP; Galvanized Steel Wire:Φ1.0; LSZH Sheath ; Self-supporting bow-tie introducing optical cable (outdoor)

GJYXFCH-2G.657A2 Fiber Cable Structure Diagram



Product structure

1) Characteristics of fiber :		Attribute	Value
		Fiber type	G.657A2
		Mode field diameter at 1310nm	8.6~9.5 ± 0.4 μm
		Cladding diameter	125.0 ± 0.7 μm
		Core concentricity error	≤ 0.5 μm
		Cladding non-circularity	≤ 1.0 %
		Coating diameter	245 ± 10 μm
Attenuation	@ 1310 nm	≤ 0.40 dB/km	
	@ 1383 nm	≤ 0.40 dB/km	
	@ 1550 nm	≤ 0.30 dB/km	
Dispersion	@ 1285~1330 nm	≤ 3.4 ps/(nm·km)	
	@ 1550 nm	≤ 17.5 ps/(nm·km)	
		Zero dispersion wavelength	1300nm~1324nm
		Zero dispersion slope	≤ 0.092 ps/(nm ² ·km)
		Cable cut-off wavelength	≤ 1260 nm
		Proof stress	≥ 0.69 Gpa
		Polarization mode dispersion	≤ 0.2 ps/√km
Uncabled fibre macrobending loss	Radius (mm)	15	
	Number of turns	10	
	Max.at 1550nm(dB)	0.25	
	Max.at 1625nm(dB)	1.0	
Fiber color code :			
Number	1	2	
Color	Blue	Orange	
2) Metallic strength member :			
Total number of strength member	2 numbers		
Material	FRP		
Diameter	0.45±0.10 mm		
3) Strengthening Messenger Wire :			
Total number	1 pcs		
Material	Galvanized Steel Wire		
Diameter	Φ1.0mm		
Tensile strength	1770MPa		
4) Outer sheath :			
Material	LSZH - Low smoke zero halogen		
Color	Black		
Diameter	2.0-4.0-6.1/± 0.1 mm		
Marking	Per Customer Request		
5) Sheath printing :			
As per customer			

Reference standard

- ITU/T G.657A2
- IEC 60754-1 and 2
- IEC 60332-1
- YD/T 1997-2009
- IEC 61034-2
- ISO/IEC 11801 Generic cabling for customer premises

Tensile properties

No.	Item	Units	Index
1	Pulling Load (short time)	N	≤ 600
2	Pulling Load (long time)	N	≤ 300
3	Crush load (short time)	N/100mm	≤ 2200
4	Crush load (long time)	N/100mm	≤ 1000
5	Bend radius (static)	mm	≥ 15
6	Bend radius (Dynamic)	mm	≥ 30

Environmental conditions

No.	Item	Units	Index
1	Storage temperature range	°C	-20 to +60
2	Install the temperature range	°C	-0 to +60
3	Operating temperature range	°C	-20 to +60

Package

No.	Item	Index
1	Length and packaging	1000m/Plywood Reel
2	Plywood reel size	355×160×260/9mm
3	Carton size	365×365×277mm
4	Net weight	18.5 kg/km
5	Gross weight	20.0 kg/Box
6	Packaging details	See the picture below

