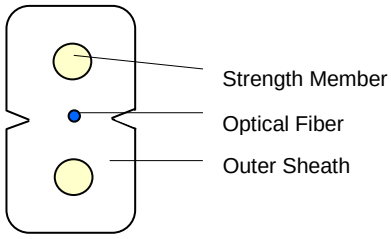
Low friction Bow Type Drop Cable

GJXH -1B6a2



Application

- Internal FTTH applications horizontal and riser, especially suitable for the last leg in FTTH systems.

Optical Fiber In Cable(ITU-G.657A2)

Optical properties of the SM fiber are achieved through a germanium doped silica based core with a pure silica cladding which meets ITU-T G657A2, UV curable acrylate protective coating is applied over the glass cladding to provide the necessary maximum fiber lifetime.

Geometrical and optical mechanical characteristics of fiber in cable as the following table:

Items	Description
atten.1310	≤0.36dB/km
atten.1383	≤0.31dB/km
atten.1550	≤0.23dB/km
atten.1625	≤0.24dB/km
Cable cut-off wavelength	≤1260 nm
Zero-dispersion wavelength	1300 ~ 1324 nm
Zero-dispersion slope	≤0.092 ps/(nm^2.km)
Mode field diameter	@ 1310 nm 8.6~9.2μm
Core/Clad concentricity error	≤0.5μm
Cladding diameter	125±0.7μm
Cladding non-circularity	≤0.7%
Primary Coating diameter	245±5μm
Macro-bend induced attenuation	Δ≤0.5 dB @1550nm

7.5mm radius, 1 turn 10mm radius, 1 turn 15mm radius , 10 turns	Δ≤0.1 dB @1550nm Δ≤0.03 dB @1550nm

Cable Dimensions and Constructions

Items		Descriptions
Optical Fiber	Fiber count	1
	Color	Blue
Strength Member	Material	Steel wire
	Diameter	0.4 mm with EAA
Outer Sheath	Material	LSZH(low friction)
	Color	White or Ivory
Cable Diameter		2.0(±0.1)*3.0(±0.1)mm
Cable Weight	Net Weight	Approx. 10kg/km

Mechanical and Environmental Characteristics

Items		**Descriptions**	
Tensile performance	IEC 60794-1-2 Method E1	short-term	250N
		long-term	100N
Crush Resistance	IEC 60794-1-2 Method E3	short-term	500N/10cm
		long-term	300N/10cm
Cable Impact	IEC 60794-1-2 Method E4	No obvious change after test	
Repeat Bending	IEC 60794-1-2 Method E6		
Torsion	IEC 60794-1-2 Method E7		
Cable Bend	IEC 60794-1-2 Method E11		
Temperature Range	IEC 60794-1-2 Method F1	-20℃~+70℃	
Coefficient of friction	Weight: 2 Kg Speed: 500 mm/minute Cable length: 150 mm. Test cable length: 300 mm.	≤ 0.25	
Minimum Bending Radius	Static	10×Cable Diameter	
	Dynamic	20×Cable Diameter	

Packing

Cables are coiled on wooden or plastic drum. During transportation, right tools should be used to avoid damaging the package and to handle with ease.

Cables should be protected from moisture; kept away from high temperature and fire sparks; protected from

over bending and crushing; protected from mechanical stress and damage.

Marking

Unless otherwise specified, the cable sheath marking shall be as follows:

- Color: Black
- Contents: Cable manufacturer or owner, the year of manufacture, the type of cable, length marking
- Interval: 1m

Delivery Length

Standard delivery length is 1km/drum. Other length available on request.