

SPECIFICATION

FOR

Duplex Round Optical Cable

GJFJY TYPE

LSZH Jacket

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Table 1. Characteristics of the Single Mode Fiber (ref. ITU-T G657A2B2)

Item	Unit	Requirement
Geometrical characteristics		
Fiber		G657A2B2
Mode field diameter(1310nm wavelength)	µm	8.6-9.5
Cladding diameter	µm	125.0±0.7
Core concentricity error	µm	≤0.5
Cladding non-circularity	%	≤1
Coating diameter	µm	245±10
Coating-cladding concentricity error	µm	≤12.5
Transmission characteristics		
Cable cut-off wavelength	nm	≤1260
Attenuation	wavelength 1310nm~1625nm	dB/km ≤0.4
	wavelength 1550nm	dB/km ≤0.3
Macro-bending loss radius:7.5mm,1 circle	wavelength 1550nm	dB ≤0.5
	wavelength 1625nm	dB ≤1.0
Zero-dispersion slope	ps/(nm ² •km)	≤0.092
Polarization mode dispersion	Ps/km ^{1/2}	≤0.2
Mechanism characteristics		
Proof test value	GPa	0.69
Dynamic fatigue parameter	/	≥20
Other parameter meet standard		ITU-T G.657

Application:

Temperature range		°C	-20°C -- +60°C
Nominal weight		'g/m	6.0
Min. Bending Radius (mm)	Install	mm	20D
Min. Bending Radius (mm)	Static	mm	10D
Max. Tension (N)	Short-term	N	100
Max. Tension (N)	Long-term	N	60
Max. Crushing Resistance (N/100mm ²)		N/100mm ²	500

The true weight of optical cable may had some tolerance with the above stated value.

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Temperature range

Storage or transportation: -20~60°C

Operation: -20~60 °C

Package and shipping mark

Printing at out jacket of optical cable

White color printing words at each meter distance, standard printing content as following, also can match the customer require for the printing content

1. Meter mark
2. Style of optical cable and fiber account
3. Manufacturer name
4. Manufacture date

Package of optical cable

Standard length is 1KM, other length can negotiate

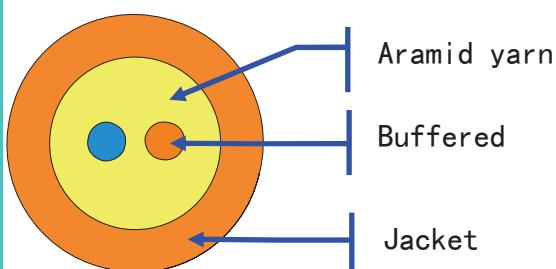
Can be packed in wooden drum or plywood drum

Wooden drum

Label will be stucked at wooden drum, content as following

1. Style of optical cable and fiber account
2. Length
3. Gross weight KGS
4. Total drums amount
5. Manufacture date

Description

	<p>1 – Number of fibers - 2</p> <p>2 – Characteristic of fiber - Color :Original</p> <p>3 – Characteristic of buffered - OD: 0.57 ± 0.05 mm - Thickness: 0.16 ± 0.03 mm</p> <p>4 – Aramid yarn</p> <p>5 - Out jacket - Material: LSZH - OD: 2.35 ± 0.05 mm</p>
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