

DROP 2H MENSAJERO ACERO 0.5MM GFRP LSZH 1KM

MODELO GJYXFCH-2B6

1. Product Description

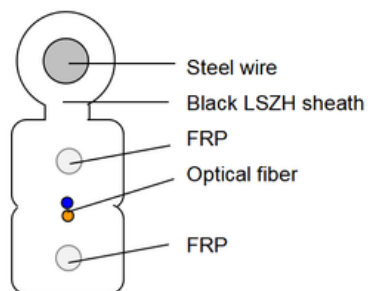
This specification covers the general requirements and performance of cable, which LANLY offered including optical characteristics, mechanical characteristics and geometrical characteristics and etc.

2. Optical Fiber

No.	Items		Unit	Specification
				G.657A1
1	Mode Field Diameter	1310nm	μm	8.6 ± 0.4
		1550nm	μm	9.6 ± 0.5
2	Cladding Diameter		μm	125.0 ± 0.7
3	Cladding Non-Circularity		%	≤ 0.7
4	Core-Cladding Concentricity Error		μm	≤ 0.5
5	Coating Diameter		μm	245 ± 10
6	Coating Non-Circularity		%	≤ 6.0
7	Cladding-Coating Concentricity Error		μm	< 12.0
8	Cable Cutoff Wavelength		nm	$\lambda_{cc} \leq 1260$
9	Attenuation(max.)	1310nm	dB/km	≤ 0.35
		1550nm		≤ 0.24
10	Macro-Bending Loss	1turn $\times$ 7.5mm radius @1550nm	dB	≤ 0.4
		1turn $\times$ 7.5mm radius @1625nm	dB	≤ 0.8

3. OPTICAL CABLE

3.1 Construction of cable



Color Identification

Fibers color: Blue, Orange, Green, and Brown

Sheath color: Black

Fiber count		2
Diameter (mm)		2.0X5.2(±0.2)
Weight (kg/km)		25
Tensile strength (N)	Long term	300
	short term	600
Crush resistance (N/100mm)	Long term	1000
	short term	2200
Bend radius (mm)	Static	10 (G.657A1)
	Dynamic	20 (G.657A1)
Operating temperature (°C)		-20~+60
Easily strip each unit and easily separate the fiber from the sheath.		

- Simple structure, light weight and high practicability;
- Novel flute design easily strip and splice, simplify the installation and maintenance;
- Two parallel FRP strength members ensure good performance of crush and tension resistance to protect the fiber;
- Single steel wire as the additional strength member ensures good performance of tensile strength;
- G.657A1 fiber be put in the cable, ensure the very good bending performance.
- Low smoke, zero halogen and flame retardant sheath;