

DROP 2H G657A2 MENSAJERO ACERO 0.5MM GFRP LSZH 1KM

MODELO GJYXFCH-2B6A2

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.

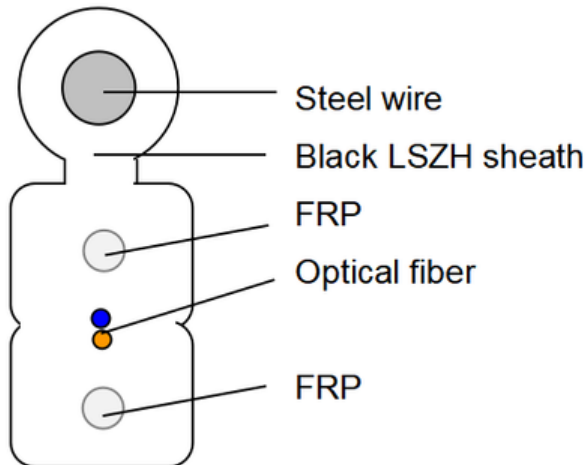
2. Optical Fiber

Optical fiber characteristics

Category	Description		Specifications
			G.657A2
Optical Specifications	Attenuation	@1310nm	≤0.4dB/km
		@1550nm	≤0.3dB/km
	Attenuation vs. Wavelength	@1285~1330nm relative to@1310	≤0.08 dB/km
		@1525~1575nm relative to@1550	≤0.05 dB/km
	Zero Dispersion Wavelength		1300~1324nm
	Zero Dispersion Slope		≤0.092ps/(nm ² .km)
	Dispersion	@1310nm	≤3.5 ps/nm.km
		@1550nm	≤18.0 ps/nm.km
		@1625nm	≤22.0 ps/nm.km
	Cable Cutoff Wavelength(λ _{cc})		≤1260nm
Macro-bend induced attention 10 turns around a mandrel of 15mm radius at 1550n		≤0.25dB	
Geometric Specifications	Mode Field Diameter	@1310nm	8.6±0.4μm
	Cladding Diameter		125±1μm
	Cladding Non-Circularity		≤1.0%
	Coating Diameter		243±7μm
	Coating/Cladding Concentricity Error		≤8μm
	Core/Cladding Concentricity Error		≤0.5μm
Mechanical Specifications	Proof Test level		≥1.0%
	Fiber Curl Radius		≥4.0m
	Peak Coating Strip Force		1.3~8.9N

3. OPTICAL CABLE

3.1 Construction of cable



Color Identification
 Fibers color: Blue, Orange
 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;