

PRODUCT DATA SHEET

Self-supporting Bow-type Drop Optical Cable (GJYXFCH/GJYXCH)

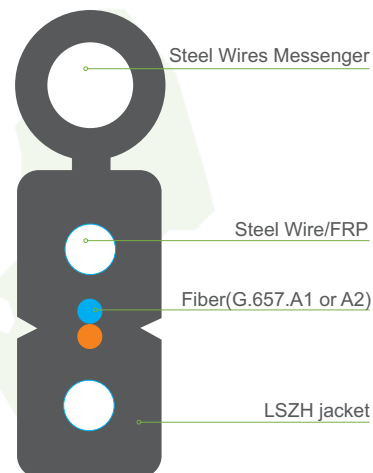


Introduction

The typical GJYXFCH/GJYXCH self-supporting bow-type drop optical cable consists of GJXFH/GJXH cable and an additional strength member stranded steel wire).

GJYXFCH: FRP Strenght member

GJYXCH: Steel wire strenght member



Order Information and Characteristics of Optical Cables

Cable Type	Cable Size (mm)	Weight (kg/km)	Tensile Strength Long/ShortTerm (N)	Crush Resistance Long/ShortTerm (N/100 mm)	Bending Radius Static/Dynamic (mm)	Storage, operating Temperature (°C)
NT-GJYXFCH-Y1AY2	(2.0±0.1)×(5.2±0.3)	18.9	300/600	1000/2200	15/30	-20~+60
NT-GJYXCH-Y1AY2	(2.0±0.1)×(5.2±0.3)	21	300/600	1000/2200	15/30	-20~+60

Y1: Number Fiber 1 or 2

Y2: Type SM G657A1 (1) G657A2 (2)

Characteristics

- Simple structure, light weight, high tensile strength.
- Novel groove design, easily strip and splice, simplified installation and maintenance.
- Low smoke, zero halogen and flame retardant sheath, environment-friendly, good safety.

G657 fiber information

- Mode field diameter (1310nm): $8.6\mu\text{m} \pm 9.5\mu\text{m}$.
- Cladding diameter: $125\mu\text{m} \pm 0.7\mu\text{m}$.
- Coating diameter: $245\mu\text{m} \pm 7\mu\text{m}$.
- Cut off wavelength of cabled fiber (λ_{cc}): $\leq 1260\mu\text{m}$.
- Attenuation at 1310nm: $\leq 0.35\text{dB/km}$.
- Attenuation at 1550nm: $\leq 0.21\text{dB/km}$.
- Bending loss at 1550nm (100 turns, 30mm radius): $\leq 0.05\text{dB}$.
- Dispersion in the range 1288 to 1339nm: $\leq 3.5\text{ps}/(\text{nm km})$.
- Dispersion at 1550nm: $\leq 18\text{ps}/(\text{nm km})$.
- Dispersion slope at zero dispersion wavelength: $\leq 0.092\text{ps}/(\text{nm}^2 \text{ km})$.

Standards

Comply with standard YD/T1997-2009

Delivery Length

Standard Reel Length: 2000m; Other lengths available on request.



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