

## PRODUCT DATA SHEET

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

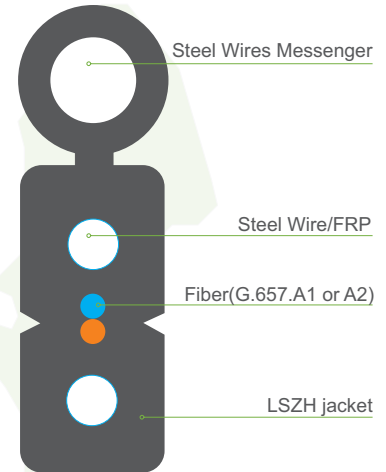


### Introduction

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 Strength member

GJYXCH: Steel wire strength 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 ( $\lambda_{cc}$ ):  $\leq 1260\mu\text{m}$ .
- 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:  $\leq 3.5\text{ps}/(\text{nm} \cdot \text{km})$ .
- Dispersion at 1550nm:  $\leq 18\text{ps}/(\text{nm} \cdot \text{km})$ .
- Dispersion slope at zero dispersion wavelength:  $\leq 0.092\text{ps}/(\text{nm}^2 \cdot \text{km})$ .

### Standards

Comply with standard YD/T1997-2009

### Delivery Length

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

