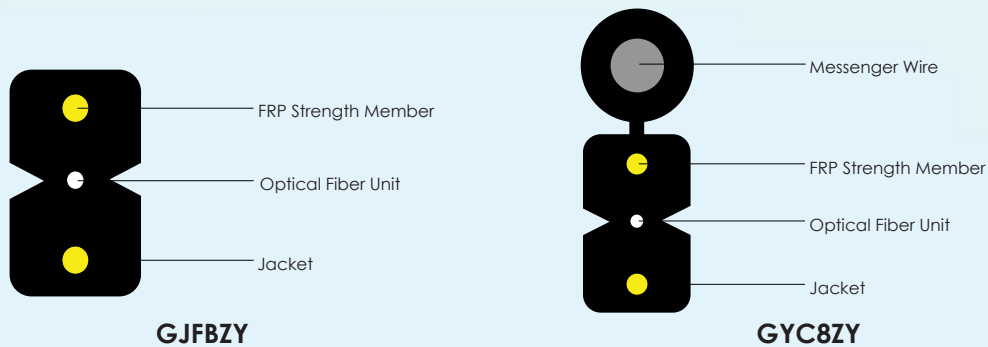


## FTTH DROP CABLE



GJFBZY utilizes two parallel non-metallic strength members protected optical fiber unit, and with a LSZH jacket. GYC8ZY consists of a GJFBZY cable and an additional messenger wire.

### Applications

- Used in indoor cabling;
- Used as drop cable.

### Features

- Compact and light weight, low purchasing and construction costs;
- Easy connect without splicing, fast and convenient;
- Excellent tensile and crush performance, the span distance for self-support type can be up to 50 meters;
- Non-metallic strength member is Kevlar fiber reinforced plastic known as K-FRP;
- Soft and flexible, good bending performance;
- Flame retardant LSZH jacket meets relevant fire protection requirements in indoor environment;
- Optical fiber meets the requirements of standard ITU-T G657;
- High carbon steel messenger wire enables the self-support type has excellent tensile strength.

### Technical Parameters (Typical Values)

Type	Fiber Count	Dimension (mm)	Tensile Strength (N)		Crush (N/100mm)		Min. Bending Radius (mm)		Cable Weight (kg/km)
			Short Term	Long Term	Short Term	Long Term	Dynamic	Static	
GJFBZY	1	3.1×2.0	100	50	2000	700	30	15	9.6
GYC8ZY	1	5.3×2.0	700	350	2000	700	240	120	21.5
GJFBZY	2	3.1×2.0	100	50	2000	700	30	15	9.8
GYC8ZY	2	5.3×2.0	700	350	2000	700	240	120	21.7
GJFBZY	4	3.1×2.0	100	50	2000	700	30	15	10.0
GYC8ZY	4	5.3×2.0	700	350	2000	700	240	120	22

1. The typical values in the table may be adjusted accordingly;
2. Different specifications are available upon request.

### !!! Specification !!!

- Temperature Range : -20°C ~+ 60°C
- Environmental Standards : RoHS compliant
- Fire Protection : Meet the requirements of IEC 60332

Transmission Properties	
Fiber Type	SM (Bend Resistance) (1310nm/1550nm)
Maximum Attenuation (dB/km)	0.8/0.6
Typical Attenuation (dB/km)	0.4/0.3
Minimum Bending Radius (mm)	15

\* Other fiber types are available upon request.

### !!! Ordering Information !!!

Part Number	Description
LTOC-CB-SM13-02	FTTH Indoor Drop Cable 2 core
LTOC-CB-SM14-02	FTTH Outdoor Drop Cable 2 core

**::: Specification :::**

Item	Specification
Fiber type	G657A
Fiber material	Doped silica
Attenuation coefficient	
@ 1310 nm	≤ 0.34 dB/km
@ 1383 nm	≤ 0.31 dB/km
@ 1550 nm	≤ 0.20 dB/km
@ 1625 nm	≤ 0.23 dB/km
Point discontinuity at 1310 and at 1550nm	≤ 0.02 dB
2m fiber Cut-off wavelength $\lambda_c$ nm	1150 ≤ $\lambda_c$ ≤ 1330
Zero dispersion wavelength $\lambda_0$ nm	1300~1324
Slope $S_0$ ps/(nm <sup>2</sup> .km)	≤ 0.092
Cable cut-off wavelength	≤ 1260 nm
Chromatic dispersion	
@ 1288 ~ 1339 nm	≤ 3.5 ps/(nm. km)
@ 1271 ~ 1360 nm	≤ 5.3 ps/(nm. km)
@ 1550 nm	≤ 18 ps/(nm. km)
@ 1625 nm	≤ 22 ps/(nm. km)
PMD <sub>Q</sub> (Quadrature average*)	≤ 0.2 ps/km <sup>1/2</sup>
Mode field diameter @ 1310 nm	8.2~9.0um
Core / Clad concentricity error	≤ 0.5 um
Cladding diameter	125.0 ± 0.7 um
Cladding non-circularity	≤ 1.0%
Primary coating diameter	245 ± 10 um
Proof test level	100 kpsi (=0.69 Gpa), 1%
Temperature dependence 0°C~ +70 °C @ 1310 & 1550nm	≤ 0.1 dB/km
Fiber curl m	≥ 4.0
Note : at 1200~1600nm dispersion formula : $D(\lambda) = S_0/4 \times (\lambda - \lambda_0)^3 / \lambda^3$ ps/(nm.km)	

\* PMD<sub>Q</sub> is a link of 20 cable sections (M) and a probability level of 0.01% (Q).