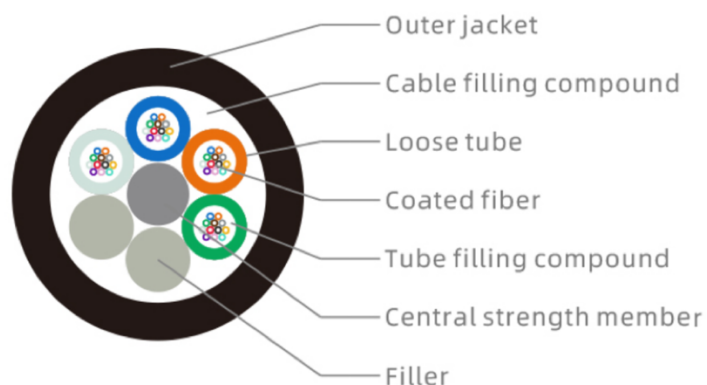


# Outdoor Fiber Optical Cable GYFTY

P/N: FX-OFC-GYFTY



GYFTY outdoor cable has no any metal element inside, suitable for long-distance communication, inter office communication and fiber optical cable entry, especially for power systems, multiple lightning and severe electromagnetic interference situation.

## Fiber Parameter

| Single Mode Fiber                          |      |         |         |         |
|--|------|---------|---------|---------|
|  | Unit | G.652D  | G657A1  | G657A2  |
| Cladding Diameter                          | μm   | 125±1.0 | 125±0.7 | 125±0.7 |
| Cladding non-circularity                   | %    | ≤ 1.0   | ≤ 0.7   | ≤ 0.7   |
| Core-cladding Concentricity Error          | μm   | ≤ 0.6   | ≤ 0.5   | ≤ 0.5   |
| Coating Diameter                           | μm   | 245±7   | 245±5   | 245±5   |
| Coating non-circularity                    | %    | ≤ 6.0   | ≤ 6.0   | ≤ 6.0   |
| Cladding-coating concentricity error       | μm   | ≤ 12.0  | ≤ 12.0  | ≤ 12.0  |
| Cable Cutoff Wavelength ( $\lambda_{cc}$ ) | nm   | ≤ 1260  | ≤ 1260  | ≤ 1260  |

|                                      |  |        |          |         |         |         |
|--------------------------------------|--|--------|----------|---------|---------|---------|
| Mode Field Diameter                  |  | 1310nm | μm       | ≤ 0.4   | ≤ 0.4   | ≤ 0.4   |
|                                      |  | 1550nm | μm       | ≤ 0.3   | ≤ 0.3   | ≤ 0.3   |
| Multimode Fiber                      |  |        |          |         |         |         |
|                                      |  | Unit   | 62.5/125 | 50/125  | OM3     | OM4     |
| Core Diameter                        |  | μm     | 62.5±2.5 | 50±2.5  | 50±2.5  | 50±2.5  |
| Cladding Diameter                    |  | μm     | 125±1.0  | 125±1.0 | 125±1.0 | 125±1.0 |
| Core Non-circularity                 |  | %      | ≤ 5.0    | ≤ 5.0   | ≤ 5.0   | ≤ 5.0   |
| Cladding Non-circularity             |  | %      | ≤ 1.0    | ≤ 1.0   | ≤ 1.0   | ≤ 1.0   |
| Core-cladding Concentricity Error    |  | μm     | ≤ 1.5    | ≤ 1.5   | ≤ 1.0   | ≤ 1.0   |
| Coating Diameter                     |  | μm     | 245±7    | 245±7   | 245±7   | 245±7   |
| Coating Non-circularity              |  | %      | ≤ 6.0    | ≤ 6.0   | ≤ 6.0   | ≤ 6.0   |
| Cladding-coating Concentricity Error |  | μm     | ≤ 12.0   | ≤ 12.0  | ≤ 12.0  | ≤ 12.0  |
| OFL Bandwidth                        |  | 850nm  | MHz·km   | ≥ 160   | ≥ 500   | ≥ 1500  |
|                                      |  | 1300nm | MHz·km   | ≥ 500   | ≥ 500   | ≥ 500   |

### Color Coding

|            |  |
|------------|--|
| Bare Fiber | <p>IEC Standard fiber color coding:</p> <p>Blue, orange, green, brown, gray, white, red, black, yellow, purple, pink, aqua</p> <p>Note:</p> <p>① When the optical fibers in each loose tube is less than 12, they will be colored from the first color (blue) in sequence;</p> <p>② The fiber color coding can be customized</p> |
|------------|--|

|            |  |
|------------|--|
| Loose tube | <p>Standard telecom industry color coding:</p> <p>Blue, orange, green, brown, gray, white, red, black, yellow, purple, pink, aqua</p> <p>T Mark Color Code:</p> <p>Red/Green (from red to green is the arrangement direction of the loose tube)</p> <p>Note:</p> <p>IEC TR 63194:2019 Annex E.2 is the default color coding standard. Color customization is available too.)</p> |
|------------|--|

### Mechanical & Environmental Characteristics

| Fiber Count | Tube | Filler | Cable OD (mm) | Cable G.W. (kg/km) | Tensile Resistance (N)<br>Long/Short Term | Crush Resistance ( N/100mm )<br>Long/Short Term | Bending Radius (mm)<br>Static/Dynamic |
|-------------|------|--------|---------------|--------------------|---|---|---------------------------------------|
| 6           | 1    | 5      | 9.5           | 80                 | 600/1500                                  | 300/1000  | 10D/20D                               |
| 12          | 2    | 4      | 9.5           | 80                 |   |   |                                       |
| 24          | 4    | 2      | 9.5           | 80                 |   |   |                                       |
| 48          | 4    | 2      | 10.0          | 95                 |   |   |                                       |
| 72          | 6    | 0      | 10.0          | 95                 |   |   |                                       |
| 96          | 8    | 0      | 11.0          | 105                |   |   |                                       |