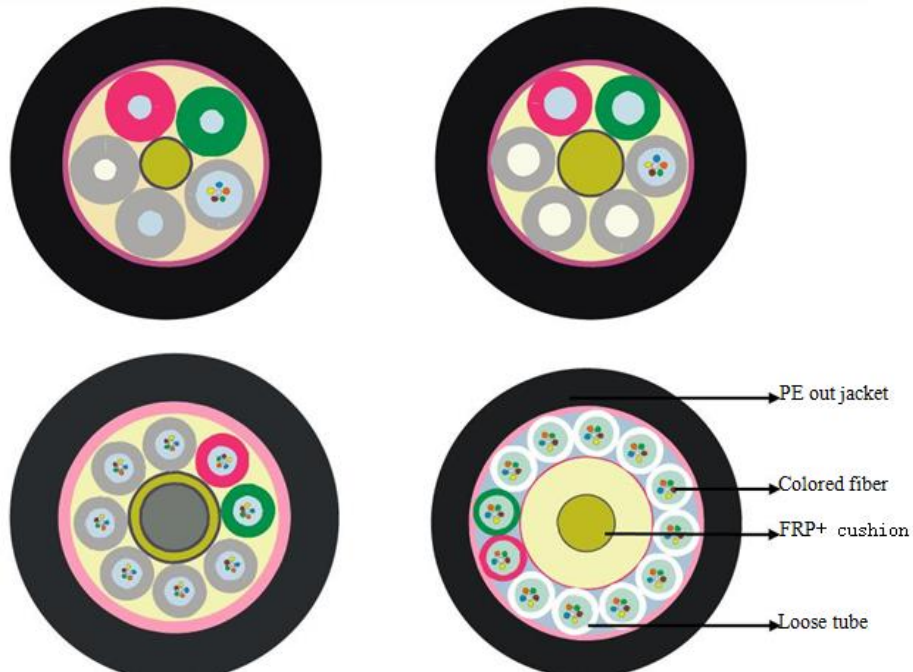


Optical Fiber Cable



MODEL : GYFTY PE Jacket

For detailed inquiry
please contact our
sales team at:
market@jfopt.com

- **Form one single mode fiber**

| Item | Unit | Specification |
|--------------------------------------|---|--------------------------------|
| Attenuation | dB/km | 1310nm≤0.4 1550nm≤0.3 |
| Dispersion | Ps/nm.km | 1285~1330nm≤3.5 1550nm≤18.0 |
| Zero dispersion wavelength | Nm | 1300~1324 |
| Zero dispersion slope | Ps/nm.km | ≤0.095 |
| Fiber cutoff wavelength | Nm | ≤1260 |
| Mode field diameter | Um | 9.2±0.5 |
| Mode field concentricity | Um | ≤0.8 |
| Cladding diameter | Um | 125±1.0 |
| Cladding non-circularity | % | ≤1.0 |
| Coating/cladding concentricity error | Um | ≤12.5 |
| Coating diameter | Um | 245±1.0 |
| bending, dependence attenuation | 1550nm,1turns,32mm diameter,100rums,60mm diameter | ≤0.5 db |
| Proof test | kpsi | ≥100 |

- **Form two single mode fiber**

| Item | Unit | Specification |
|--------------------------------------|--------------------------------------|--|
| Attenuation | dB/km | 850nm≤3.0 1300nm≤1.5 |
| Bandwidth | MHz·km | 50/125um 62.5/125 um 850 nm≥200 850 nm≥160 1300 nm≥200 1300 nm≥200 |
| Cladding diameter | Nm | 125±1.0 |
| Cladding non-circularity | % | ≤1.0 |
| Coating/cladding concentricity error | Nm | ≤12.5 |
| Coating diameter | Um | 245±1.0 |
| bending, dependence attenuation | 850nm,1300nm,100turns,75mm, diameter | ≤0.5 at 850 nm\1300 nm |
| Proof test | kpsi | ≥100 |



● **Each requirement**

◆ **UV colored fiber**

◆ **loose tube**

Φ2.15 ±0.15 mm

◆ **central strength member**

1.6mm FRP+ cushion

◆ **Out jacket**

PE

● **Application:**

| Model | Fiber account | OD(mm) | Tube account | Nominal Weight(kg /km) | Max.Tension(N) | | Max.Crushing Resistance(N/100) | |
|-------|---------------|----------|--------------|------------------------|----------------|-----------|--------------------------------|-----------|
| | | | | | Short-term | Long-term | Short-term | Long-term |
| GYFTY | 2-60 | 9.8±0.5 | 5 | 88 | 1500 | 600 | 1000 | 300 |
| GYFTY | 62-72 | 10.5±0.5 | 6 | 102 | 2000 | 600 | 1000 | 300 |
| GYFTY | 74-96 | 12.0±0.5 | 8 | 130 | 2000 | 600 | 1000 | 300 |
| GYFTY | 98-120 | 13.2±0.5 | 8 | 156 | 2000 | 600 | 1000 | 300 |
| GYFTY | 122-144 | 15.0±0.5 | 12 | 180 | 2000 | 800 | 1000 | 300 |

● **Tactic rule for loose tube and fiber:**

| Fiber | Number of Loose Tube | | | | | | | | | | | |
|---------------|----------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|
| Fiber Account | 1 Red | 2 Green | 3 Nature | 4 Nature | 5 Nature | 6 Nature | 7 Nature | 8 Nature | 9 Nature | 10 Nature | 11 Nature | 12 Nature |
| 2-12 | Filler | Filler | Filler | Filler | Tube | | | | | | | |
| 14-24 | Filler | Filler | Filler | Tube | Tube | | | | | | | |
| 26-36 | Filler | Filler | Tube | Tube | Tube | | | | | | | |
| 38-48 | Filler | Tube | Tube | Tube | Tube | | | | | | | |
| 50-60 | Tube | Tube | Tube | Tube | Tube | | | | | | | |
| 62-72 | Tube | Tube | Tube | Tube | Tube | Tube | | | | | | |
| 74-84 | Filler | Tube | Tube | Tube | Tube | Tube | Tube | Tube | | | | |
| 86-96 | Tube | Tube | Tube | Tube | Tube | Tube | Tube | Tube | | | | |
| 98-108 | Filler | Tube | Tube | Tube | Tube | Tube | Tube | Tube | Tube | Tube | | |
| 110-120 | Tube | Tube | Tube | Tube | Tube | Tube | Tube | Tube | Tube | Tube | | |
| 122-132 | Filler | Tube | Tube | Tube | Tube | Tube | Tube | Tube | Tube | Tube | Tube | Tube |
| 134-144 | Tube | Tube | Tube | Tube | Tube | Tube | Tube | Tube | Tube | Tube | Tube | Tube |

● **Temperature range:**

◆ **Storage or transportation: -40~70 °C**

◆ **Operation: -40~70 °C**

● **Package and shipping mark:**

- ◆ Printing at out jacket of optical cable
- ◆ White color printing words at each meter distance, standard printing content as following ,also can match the customer
- ◆ require for the printing content
 - Meter mark
 - Style of optical cable and fiber account
 - Manufacturer name
 - Manufacture date

- ◆ Package of optical cable
- ◆ Standard length is 1KM, other length can negotiate
- ◆ Can be packed in wooden drum or plywood drum
- ◆ The end face of optical cable will using plastic cap or adhesive tape sealed as water-proof
- ◆ Using batten totally sealed and fixed by steel tape
- ◆ The end of optical cable will be fixed into the wooden drum in order to prevent the lost during transportation process.

Wooden drum

Label will be stuck at wooden drum, content as following

- ◆ Style of optical cable and fiber account
- ◆ Length
- ◆ Gross weight KGS
- ◆ Total drums amount
- ◆ Manufacture date
- ◆ The following information also will be exposed at the wooden drum
 - Rolling direction
 - Optical cable rolling tightly with the wooden drum, in order to prevent it will be broken during transportation process