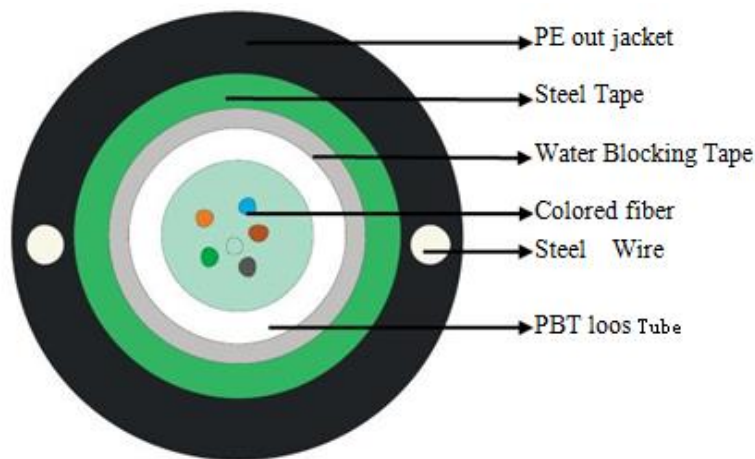


# Optical Fiber Cable



**MODEL : GYXTW PE Jacket**

For detailed inquiry  
please contact our  
sales team at:

[market@jfiberoptic.com](mailto:market@jfiberoptic.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, 100turns, 60mm diameter	≤0.5 db
Proof test	kpsi	≥100

## ● Form two multimode 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   1300nm≥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

- ◆ Number of fiber: 2-24
- ◆ Characteristic of fiber
  - 4C :blue/orange/green/ natural
  - 6C:blue/orange/green/brown/grey / natural
  - 8C:blue/orange/green/brown/grey / natural/red/black
  - 12C: blue/orange/green/brown/grey/natural/red/black/yellow/purple/pink/Aqua
  - 24C: blue/orange/green/brown/grey/natural/red/black/yellow/purple/pink/Aqua with dot
- ◆ The out diameter of PBT loose tube:  
Φ2.10±0.1mm for 12C; Φ3.0±0.1mm for 24C
- ◆ Steel Tape
- ◆ Steel Wire
- ◆ Out jacket  
Material: PE  
OD: 8.0±0.3mm for 12C; 8.8±0.3mm for 24C;

## ● 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
GYXTW	2-12	8.0±0.3	1	62	1500	500	3000	1000
GYXTW	13-24	8.8±0.3	1	78	1500	500	3000	3000

## ● Temperature range:

- ◆ Storage: -40~70°C
- ◆ 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
- ◆ 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.

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