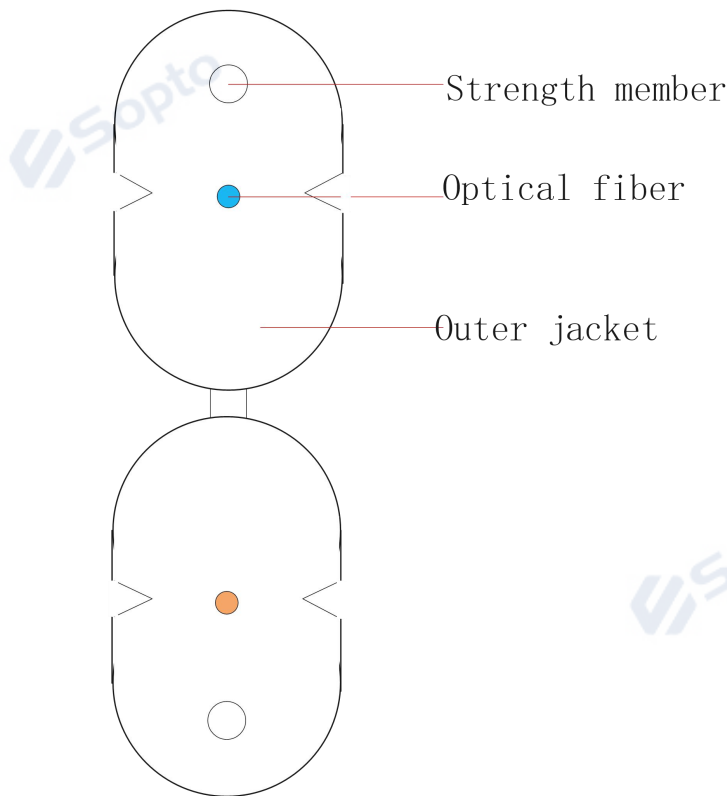




GJXFH

Cross Section of Cable



Optical Fiber Type and Properties

| Item | Unit | Specification |
|-----------------------------------|---------------|----------------|
| Fiber Type | | G.652 |
| Mode field diameter | 1310nm | 9.2 ± 0.4 |
| | 1550nm | 10.4 ± 0.8 |
| Cladding diameter | μm | 125.0 ± 1 |
| Cladding non-circularity | % | ≤ 1.0 |
| Core/cladding concentricity error | μm | ≤ 0.5 |
| Coating diameter | μm | 242 ± 7 |



| | | | |
|--------------------------------------|--------|-------|--------|
| Coating/cladding concentricity error | | μm | ≤12 |
| Cable cut-off wavelength | | nm | ≤ 1260 |
| Attenuation Coefficient | 1310nm | dB/km | ≤0.4 |
| | 1550nm | dB/km | ≤0.3 |
| Proof stress level | | kpsi | ≥100 |

Note: Other parameters meet standard ITU-T G.652

| Item | | Unit | Specification |
|---------------------------------------|--------|-------|---------------|
| Fiber Type | | | G.657A1 |
| Mode field diameter | 1310nm | μm | 8.6-9.5 ± 0.4 |
| Cladding diameter | | μm | 125.0 ± 0.7 |
| Cladding non-circularity | | % | ≤1.0 |
| Core/cladding concentricity error | | μm | ≤0.5 |
| Coating diameter | | μm | 245 ± 5 |
| Coating/cladding concentricity error | | μm | ≤12 |
| Cable cut-off wavelength | | nm | ≤ 1260 |
| Attenuation Coefficient | 1310nm | dB/km | ≤0.4 |
| | 1550nm | dB/km | ≤0.3 |
| Macro-bend loss (1 turn, 10mm radius) | 1550nm | dB/km | ≤0.75 |
| | 1625nm | dB/km | ≤1.5 |
| Proof stress level | | kpsi | ≥100 |

Note: Other parameters meet standard ITU-T G.657

| Item | | Unit | Specification |
|--------------------------|--------|------|---------------|
| Fiber Type | | | G.657A2 |
| Mode field diameter | 1310nm | μm | 8.6-9.5 ± 0.4 |
| Cladding diameter | | μm | 125.0 ± 0.7 |
| Cladding non-circularity | | % | ≤1.0 |



| | | | |
|---------------------------------------|--------|-------|---------|
| Core/cladding concentricity error | | μm | ≤0.5 |
| Coating diameter | | μm | 245 ± 5 |
| Coating/cladding concentricity error | | μm | ≤12 |
| Cable cut-off wavelength | | nm | ≤ 1260 |
| Attenuation Coefficient | 1310nm | dB/km | ≤0.4 |
| | 1550nm | dB/km | ≤0.3 |
| Macro-bend loss (1 turn,7.5mm radius) | 1550nm | dB/km | ≤0.5 |
| | 1625nm | dB/km | ≤1.0 |
| Proof stress level | | kpsi | ≥100 |

Note: Other parameters meet standard ITU-T G.657

Dimensions of Cable Constructions

| Item | | Parameters |
|---|-----------------|--------------------------|
| Fiber | Color | Blue Orange |
| | Number of cores | 2 |
| Outer jacket | Material | LSZH (Oxygen index ≥25%) |
| | Color | White |
| Strength member | Material | FRP |
| | Diameter | 0.5mm |
| Cable diameter (Rip off the messenger wire) | | 2.0±0.1mm*3.0±0.1mm |
| Min. bending radius | Static | 40mm |
| | Dynamic | 80mm |
| Tensile performance | Short term | 80N |
| Crush | Short term | 1000N/100mm |

Working Condition



| Item | Standard | Parameters |
|-----------------------|------------------|------------|
| Operation temperature | IEC 60794-1-2 F1 | -5℃ ~+50℃ |

Drum

| Cable type | Drum | | | | |
|------------|-------------|------------|---------------------|-------------|-------------------|
| | Height (mm) | Width (mm) | Inner diameter (mm) | Length (km) | Drum type |
| GJXFH | 350 | 275 | 110 | 1 | Plywood wood drum |

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