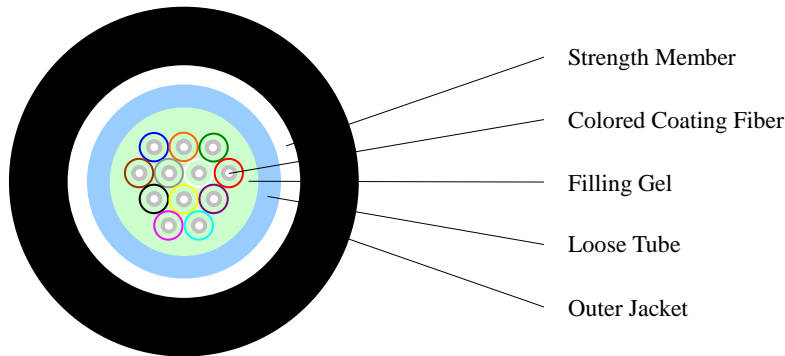


GYFXTH - 2-12F core singlemode cable

Profile View



Fiber Parameters

| No. | Items | Unit | Specification | |
|-----|--------------------------------------|---------------|-------------------------|---------------|
| | | | G.652D/G.657A1 | |
| 1 | Mode Field Diameter | 1310nm | μm | 9.2 ± 0.4 |
| | | 1550nm | μm | 10.4 ± 0.5 |
| 2 | Cladding Diameter | μm | 124.8 ± 0.7 | |
| 3 | Cladding Non-Circularity | % | ≤ 0.7 | |
| 4 | Core-Cladding Concentricity Error | μm | ≤ 0.5 | |
| 5 | Coating Diameter | μm | 245 ± 5 | |
| 6 | Coating Non-Circularity | % | ≤ 6.0 | |
| 7 | Cladding-Coating Concentricity Error | μm | ≤ 12.0 | |
| 8 | Cable Cutoff Wavelength | nm | $\lambda_{cc}\leq 1260$ | |
| 9 | Attenuation(max.) | 1310nm | dB/km | ≤ 0.36 |
| | | 1550nm | dB/km | ≤ 0.25 |

Cable Parameters

| Items | | Specifications |
|-----------------------|-----------|--|
| Fiber Count | | 2F TO 12F |
| Colored Coating Fiber | Dimension | $250\mu\text{m}\pm 15\mu\text{m}$ |
| | Color | Blue、Orange、Green、Brown、Gray、Natural、Red、Black、Yellow、Purple、Pink、Aqua |
| Loose Tube | Dimension | $2.0\text{mm}\pm 0.1\text{mm}$ |
| | Material | PBT |
| | Color | Natural |
| Strength Member | | Glass Yarn |
| Outer Jacket | Dimension | $5.8\text{mm}\pm 0.2\text{mm}$ |
| | Material | LSZH |
| | Color | Black/Yellow/Orange/Blue |

Mechanical and Environmental Characteristics

| Items | Unite | Specifications |
|----------------------------|--------|----------------|
| Tension (Long Term) | N | 600 |
| Tension (Short Term) | N | 1500 |
| Crush (Long Term) | N/10cm | 300 |
| Crush (Short Term) | N/10cm | 1000 |
| Min. Bend Radius (Dynamic) | mm | 20D |
| Min. Bend Radius (Static) | mm | 10D |
| Installation Temperature | °C | -20~+60 |
| Operating Temperature | °C | -30~+70 |
| Storage Temperature | °C | -30~+70 |