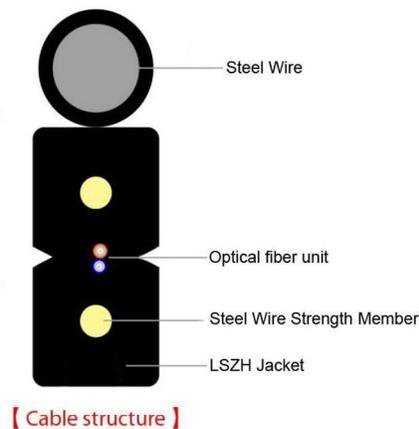


Fiber Optic FTTH Drop Cable



Description :

Fiber Optic FTTH Drop Cable it is suitable for connecting with communication equipment and used as access building cable in the premises distribution system. The optical fiber unit is positioned in the center. Two parallel Fiber Reinforced member steel wire are placed at the two sides. A steel wire as the additional strength member is also applied. Then the cable is completed with a black or color LSZH sheath.

Feature:

- Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property.
- Two parallel FRP strength members ensure good performance of crush resistance to protect the fiber.
- Single steel wire as the additional strength member ensure good performance of tensile strength.
- Simple structure, light weight, and high practicability
- Novel flute design, easily strips and splice, simplify the installation and maintenance. LSZH, Low smoke, zero halogens, and flame retardant sheath.

Fiber Parameters:

| No. | Item | | Unit | Specification |
|-----|--------------------------------------|----------------------------|-------|--------------------------|
| | | | | G.657A2 |
| 1 | Mode Field Diameter | 1310nm | μm | 8.6±0.4 |
| | | 1550nm | μm | 9.6±0.5 |
| 2 | Cladding Diameter | | μm | 125.0±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 | ≤0.35 |
| | | 1550nm | dB/km | ≤0.20 |
| 10 | Macro-Bending Loss | 1turn×7.5mm radius @1550nm | dB | ≤0.4 |
| | | 1turn×7.5mm radius @1625nm | dB | ≤0.8 |

Cable Parameters:

| Item | | Specification |
|-----------------------|-----------|-------------------------|
| Fiber Count | | 1 core, 2 core, 4 core |
| Colored Coating Fiber | Dimension | 250±15μm |
| | Color | Blue/Orange/Green/Brown |
| Strength Member | Dimension | 0.45mm |
| | Material | Steel Wire |
| Jacket | Dimension | 5.0±0.2mm×2.0±0.1mm |
| | Material | LSZH |
| | Color | Black |

Mechanical and Environmental Characteristics:

| Item | Unit | Specification |
|----------------------------|--------|---------------|
| Tension (Long Term) | N | 500 |
| Tension (Short Term) | N | 1000 |
| Crush (Long Term) | N/10cm | 1000 |
| Crush (Short Term) | N/10cm | 2200 |
| Min. Bend Radius (Dynamic) | mm | 30D |
| Min. Bend Radius (Static) | mm | 15D |
| Installation Temperature | ℃ | -20~+60 |
| Operating Temperature | ℃ | -40~+70 |
| Storage Temperature | ℃ | -40~+70 |

Packing Information:

Printings the below information on the optical fiber cable

1. Meter marks
2. Type of cable and fiber count
3. Name of Manufacturer
4. Year of manufacture

5. Wooden reel, Standard length is 1KM, other lengths subject to negotiation.
6. Type of cable, fiber count, Length
7. Gross weight KGS
8. Reel no.
9. Diameter, weight, the minimum bending radius of optical fiber cable.