

Outdoor FTTH Drop Cable w/ Strength Wire, 1/2/4-Core

Description

The GrowsFiber Outdoor FTTH Drop Cable with a thick outer packaging is durable and can withstand harsh outdoor environments. It has some mechanical and environmental characteristics such as pressure resistance, corrosion resistance and tensile strength. The optical fiber unit is positioned in the centre. Two parallel Fiber Reinforced Plastics (FRP) 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.

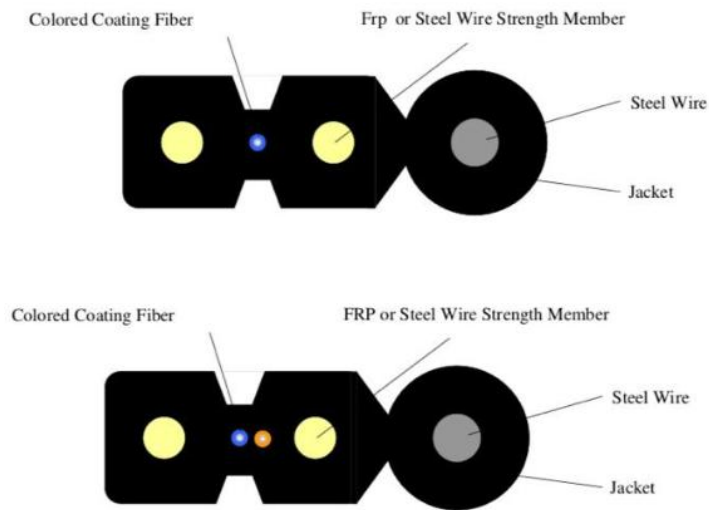


Features

- 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 ensures good performance of tensile strength;
- Simple structure, light weight and high practicability;
- Novel flute design, easily strip and splice, simplify the installation and maintenance;
- Low smoke, zero halogen and flame retardant sheath.

Outdoor FTTH Drop Cable w/ Strength Wire, 1/2/4-Core

Profile View



Fiber Parameters

| No. | Items | | Unit | Specification |
|-----|--------------------------------------|---------------------------|-------|-----------------------|
| | | | | G.657A1 |
| 1 | Mode Field Diameter | 1310nm | μm | 9.0±0.4 |
| | | 1550nm | μm | 10.1±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 | λ _{cc} ≤1260 |
| 9 | Attenuation(max.) | 1310nm | dB/km | ≤0.35 |
| | | 1550nm | dB/km | ≤0.21 |
| 10 | Macro-Bending Loss | 1turn×10mm radius @1550nm | dB | ≤0.75 |
| | | 1turn×10mm radius @1625nm | dB | ≤1.5 |

Outdoor FTTH Drop Cable w/ Strength Wire, 1/2/4-Core

Cable Parameters

| Items | | Specification |
|------------------------|-----------|---------------------|
| Fiber Count | | 1/2/4 |
| Colored Coating Fiber | Dimension | 250±15μm |
| | Color | Blue/Blue, Orange |
| Strength Member | Dimension | 0.45mm/0.5mm |
| | Material | Steel Wire/FRP |
| Self-supporting Member | Dimension | 1.0mm |
| | Material | Steel Wire |
| Jacket | Dimension | 5.2±0.2mm×2.1±0.1mm |
| | Material | LSZH |
| | Color | Black/White |

Mechanical and Environmental Characteristics

| Items | 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 | 20D |
| Min. Bend Radius (Static) | mm | 10D |
| Installation Temperature | °C | -20 to +60 |
| Operating Temperature | °C | -40 to +70 |
| Storage Temperature | °C | -40 to +70 |

Outdoor FTTH Drop Cable w/ Strength Wire, 1/2/4-Core

Packing Pictures



The size of carton is 37×37×27cm, 1000m/drum. Gross weight is about 20kg

Ordering Information

| Part Number | Description |
|-------------|---|
| GFOFDCSL1 | Outdoor FTTH Drop Cable with Strength Wire, G657.A1, LSZH, 1-Core |
| GFOFDCSL2 | Outdoor FTTH Drop Cable with Strength Wire, G657.A1, LSZH, 2-Core |
| GFOFDCSL4 | Outdoor FTTH Drop Cable with Strength Wire, G657.A1, LSZH, 4-Core |