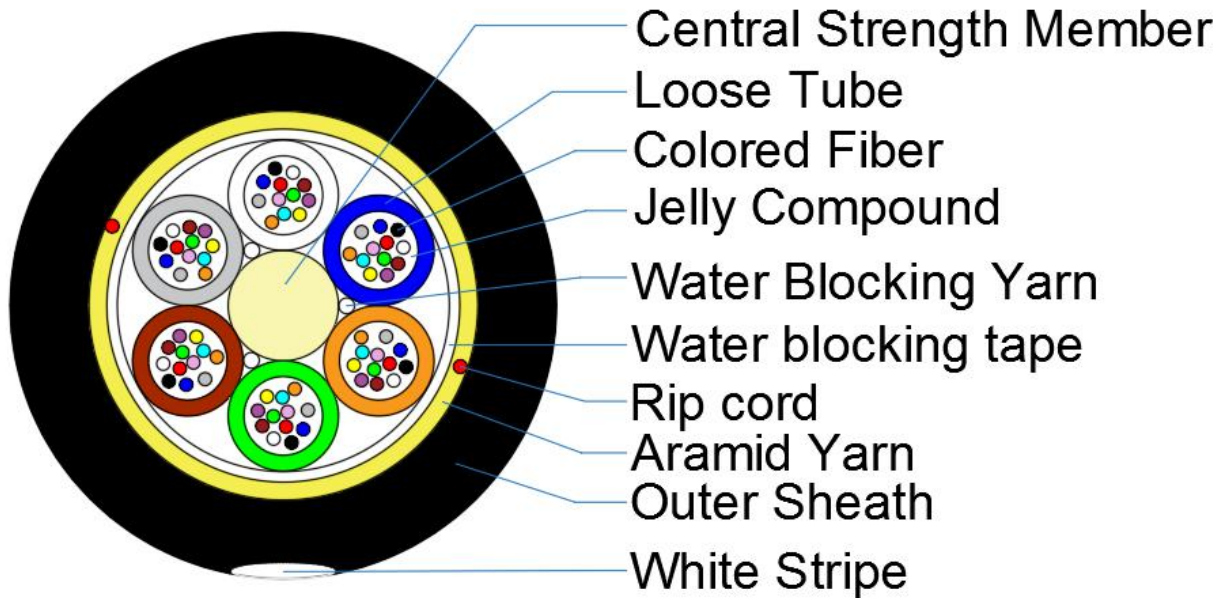


Outdoor ADSS Fiber Optic Cable 6 12 72 cores Single Sheath 6000N

Cable Design



Technical data

| | | | | |
|---|---|-------------|-----|-----|
| No. of cable | | 6 | 12 | 72 |
| Fiber Model | | G.652D | | |
| Design(Strength Member + Tube & Filler) | | 1+6 | | |
| Central Strength Member | Material | FRP | | |
| | Diameter (±0.05) mm | 2.5 | | |
| Loose Tube | Material | PBT | | |
| | Diameter (±0.06) mm | 2.3 | 2.3 | 2.4 |
| | Thickness (±0.03) mm | 0.35 | | |
| | The Max .Core NO./Tube | 6 | 6 | 12 |
| Filler Rope | No. | 1 | 2 | 6 |
| | Material | LDPE | | |
| | Diameter (±0.05) mm | 2.2 | | |
| Water Blocking Material | No. | 5 | 4 | - |
| | Water Blocking Yarn & Water Blocking Tape | | | |
| Strength Member (Material) | | Aramid Yarn | | |
| Rip Cord | Material | Nylon | | |

| | | |
|---------------------------------|----------------------------|--------------|
| Outer Sheath | Material | HDPE |
| | Thickness (± 0.1) mm | 1.7 |
| Cable Diameter (± 0.2) mm | | 11.5 |
| Cable Weight (± 10) kg/km | | 80 |
| Tension Strength | | N |
| | | 6000N |
| Min. bending radius | Without Tension | 10.0×Cable-φ |
| | Under Maximum Tension | 20.0×Cable-φ |
| Temperature range (°C) | Installation | -20~+60 |
| | Transport&Storage | -40~+70 |
| | Operation | -40~+70 |

Fiber Color

| | | | | | | |
|-------|------|--------|--------|--------|------|-------|
| No. | 1 | 2 | 3 | 4 | 5 | 6 |
| Color | Blue | Orange | Green | Brown | Gray | White |
| No. | 7 | 8 | 9 | 10 | 11 | 12 |
| Color | Red | Black | Yellow | Violet | Pink | Aqua |

Loose Tube Color

| | | | | | | |
|-------|------|--------|-------|-------|------|-------|
| No. | 1 | 2 | 3 | 4 | 5 | 6 |
| Color | Blue | Orange | Green | Brown | Gray | White |

The properties of single mode optical fiber (ITU-T Rec. G.652.D)

| Item | Specification |
|--|----------------------------------|
| Fiber type | Single mode |
| Fiber material | Doped silica |
| Attenuation coefficient | |
| @ 1310 nm | ≤ 0.35 dB/km |
| @ 1383 nm | ≤ 0.35 dB/km |
| @ 1550 nm | ≤ 0.21 dB/km |
| @ 1625 nm | ≤ 0.25 dB/km |
| Point discontinuity | ≤ 0.05 dB |
| Cable cut-off wavelength | ≤ 1260 nm |
| Zero-dispersion wavelength | 1300 ~ 1324 nm |
| Zero-dispersion slope | ≤ 0.092 ps/(nm ² .km) |
| PMD _Q (Quadrature average*) | ≤ 0.2 ps/km ^{1/2} |
| Mode field diameter @ 1310 nm | 9.2±0.4 μm |
| Core / Clad concentricity error | ≤ 0.6μm |

| | |
|--|--------------------------|
| Cladding diameter | 125.0 ± 1 um |
| Cladding non-circularity | ≤1.0% |
| Primary coating diameter | 245 ± 10 um |
| Proof test level | 100 kpsi (=0.69 Gpa), 1% |
| Temperature dependence 0oC~ +70oC @ 1310 & 1550nm | ≤ 0.1 dB/km |