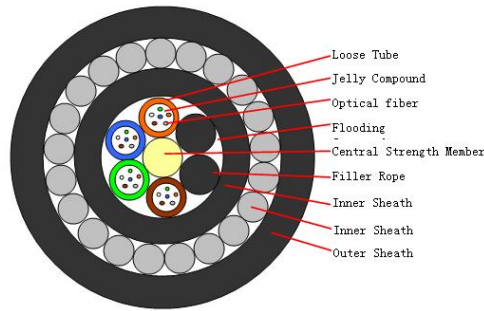




OSP Fiber Optic Cable|Outdoor GYFTY33 Fiber Cable Water-proof 24 Cores

Single Mode G652D PE Jacket

Cable Design



Technical data

| Fiber Model | | G652D |
|--------------------------------|-----------------------|-----------------------|
| Central Strength Member | Material | FRP |
| | Diameter(±0.05) mm | 2.0 |
| Loose Tube | Material | PBT |
| | Diameter (±0.06)mm | 1.8 |
| | Thickness(±0.03)mm | 0.30 |
| | The Max.Core NO./Tube | 12 |
| Filler rope | Material | LDPE |
| | Diameter (±0.06) mm | 1.80 |
| | No | 2 |
| Water Blocking layer(Material) | | Flooding Compound |
| Inner Sheath | Material | MDPE |
| | Thickness(±0.1) mm | 0.8 |
| Strength Member | Material | Galvanized steel wire |
| | Diameter (±0.05) mm | 1.2 |
| Outer Sheath | Material | MDPE |
| | Thickness(±0.2) mm | 1.8 |
| Cable Diameter (±0.2)mm | | 13.2 |
| Cable Weight(±20)kg/km | | 310 |
| Min. bending radius | Without Tension | 15.0×Cable-4 |
| | Under Maximum Tension | 30.0×Cable- φ |
| Temperature range | Installation | 20~+60 |
| | Transport&Storage | 40~+70 |

| | | |
|------|-----------|---------|
| (°C) | Operation | -40~+70 |
|------|-----------|---------|

Fibre 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 |
| No. | 7 | 8 | | | | |
| Color | Red | Black | | | | |

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 | ≤ 0.32 dB/km |
| @ 1550 nm | ≤ 0.21 dB/km |
| @ 1625 nm | ≤ 0.24 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 | ≤ 0.5 μm |
| Cladding diameter | 125.0 ± 0.7 μm |
| Cladding non-circularity | ≤ 1.0% |
| Primary coating diameter | 245 ± 10 μm |
| Proof test level | 100 kpsi (=0.69 Gpa), 1% |

| | |
|--|------------------|
| Temperature dependence 0oC~ +70oC @ 1310 & 1550nm | ≤ 0.1 dB/km |
|--|------------------|

Sheath marking

The optical fiber drop cable shall have sequentially numbered length marking at intervals of approximately 1 meter. The starting number of ordering length for any coil shall begin with zero meter. The accuracy of the measurement of length marking shall be held within the limits of $\pm 1\%$.

- a) Manufacturer's name
- b) Type of wire
- c) Year and month of manufacture
- d) Length marking each meter along the wire

