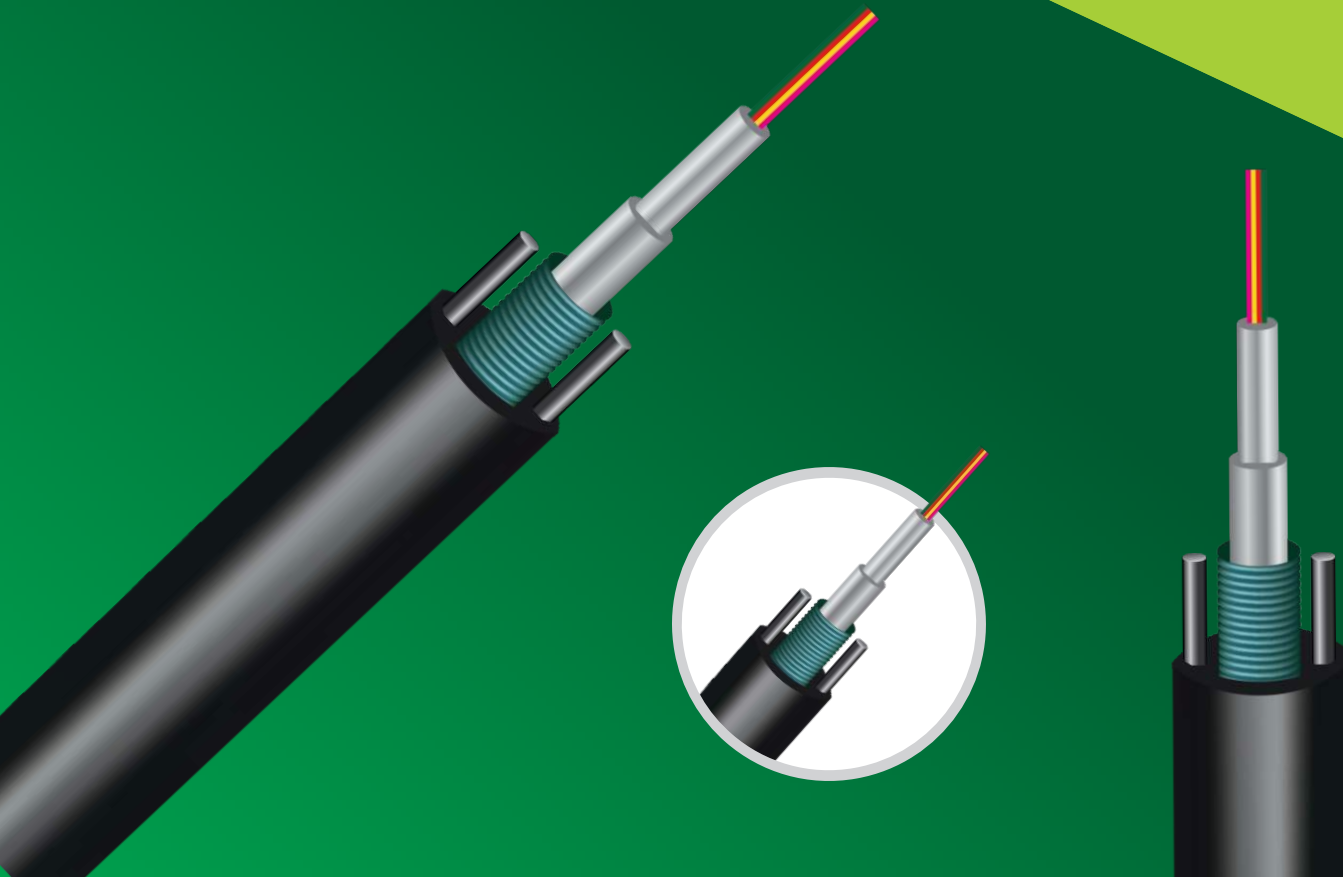
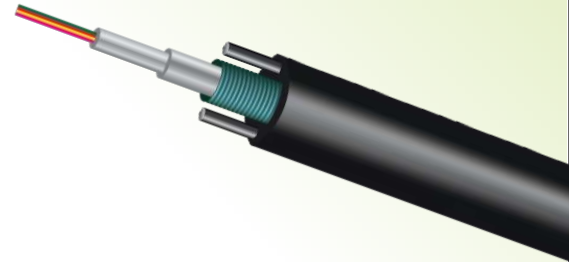
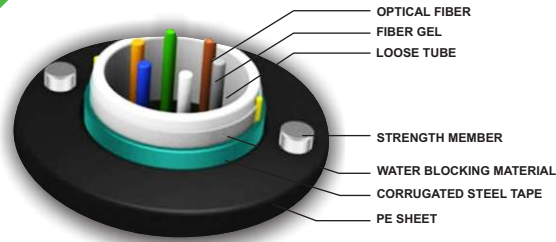


MULTI CORE INDOOR/OUTDOOR ARMOURED FIBER CABLE SERIES





TMT GLOBAL Single mode Indoor/outdoor Optical Fiber Cable Loose Tubes 6,8,12,24,48,96,128-Core LSZH-Armoured

TMT GLOBAL provides high-strength optical fiber cables for use in various industrial, indoor, and outdoor applications. Offering unique properties and benefits for different types of use, our communications optical fiber cable products can easily meet complex application requirements and specifications. TMTGLOBAL optical fiber cable FTTH ,FTTX , indoor/outdoor SM/MM, OS1,OS2 ,OM1,OM2,OM3,OM4 is compliant with ISO/IEC and ANSI/TIA Standard.

| PHYSICAL DESCRIPTION | |
|-------------------------------|-----------------------------------|
| Products | Fiber optic cable single mode |
| Tube Filling Compound | Thixotropic jelly |
| Fiber Type | ITU-T G.657A1/A2,G.652D |
| Tube material | PBT (Polybutylene Terephthalate) |
| Armour | Corrugated steel tape |
| Packing Detail | |
| Fiber Count | 6,8,12,24,48,96,128 |
| Tube Outer/Inner Diameter(mm) | 3.0/2.0 ± |
| Cable Diameter(mm) | 7.2*-12 |
| Cable Weight(kg/km) | 45± |
| Length/ Drum | 2000 m Drum ±5% |
| Ripcord | Polyester cord |
| Outer Jacket | PE,MDPE, LSZH |

| Mechanical and Environmental Properties | | |
|---|---|--------------------|
| Physical tests | Value | Standard |
| Tensile Strength | 2700 N (during Installation) 1700 N (during Operation) | IEC 60794-1-E1 |
| Impact Resistance | 10J, 3 impacts | IEC 60794-1-E4 |
| Crush Resistance | 220 N/cm | IEC 60794-1-E3 |
| Temperature Cycling | -40 to +70 °C | IEC 60794-1-F1 |
| Flame Retardancy | According to IEC 60332-3 | IEC 60332-3 |
| Cable Bending Radius | | |
| Bend Radius (during installation) | 20x cable diameter | IEC 60794-1-2-E11A |
| Bend Radius (during Service) | 10x cable diameter | IEC 60794-1-E11 |
| Repeating Bending | 20x cable diameter | IEC 60794-1-E6 |
| Temperature Range) | | |
| Operation Temperature | -40 to +70 C | IEC 60794-1-2-F1 |
| Storage and Transportation Temperature | -40 to +70 C | |
| Installation Temperature | -30 to +60 C | |

| Optical Characteristics | | | |
|---|---|---|--|
| Fiber type | ITU-T G.652D | ITU-T G.657/A1 | ITU-T G.657/A2 |
| Attenuation (max) | 0.40 dB/km (1310 nm) 0.25 dB/km (1550 nm) | 0.40 dB/km (1310 nm) 0.25 dB/km (1550 nm) | 0.35 dB/km (1310 nm) 0.22 dB/km (1550 nm) |
| MFD | 9.0±0.4 μm (1310 nm) 10.1±0.5 μm (1550 nm) | 9.0±0.4 μm (1310 nm) 10.1±0.5 μm (1550 nm) | 8.6 ± 0.4 μm (1310 nm) |
| Cladding diameter | 125 ± 0.3 μm | 125 ± 0.7 μm | 125 ± 0.7 μm |
| Core/Clad Concentricity error | ≤ 0.5 μm | ≤ 0.5 μm | ≤ 0.5 μm |
| Zero dispersion wavelength | 1300nm ≤ λ ≤ 1324nm | 1300nm ≤ λ ≤ 1324nm | 1302nm ≤ λ ≤ 1322nm |
| Cladding non-circularity | ≤ 0.7 % | ≤ 0.7 % | 1% |
| Coating diameter | 245 ± 10 μm | 242 ± 7 μm | 240 ± 5 μm |
| Cut Off Wavelength | ≤ 1260nm | ≤ 1260nm | ≤ 1260nm |
| Proof Test | ≥ 1% (100kpsi or 0.7GPa) | ≥ 1% (100kpsi or 0.7GPa) | ≥ 1% (100kpsi or 0.7GPa) |
| Macro bending Attenuation : (10 turn on a 15 mm radius mandrel) | ≤ 0.25 dB @1550 nm | ≤ 0.25 dB @1550 nm | ≤ 0.5dB @1550 nm |

| Model No | Product ID | Ordering Information |
|----------|------------|---|
| TMT-3033 | TMT-241LPK | 24CORE SINGLE MODE INDOOR/OUTDOOR ARMoured FIBER OPTIC CABLE G.652D |

