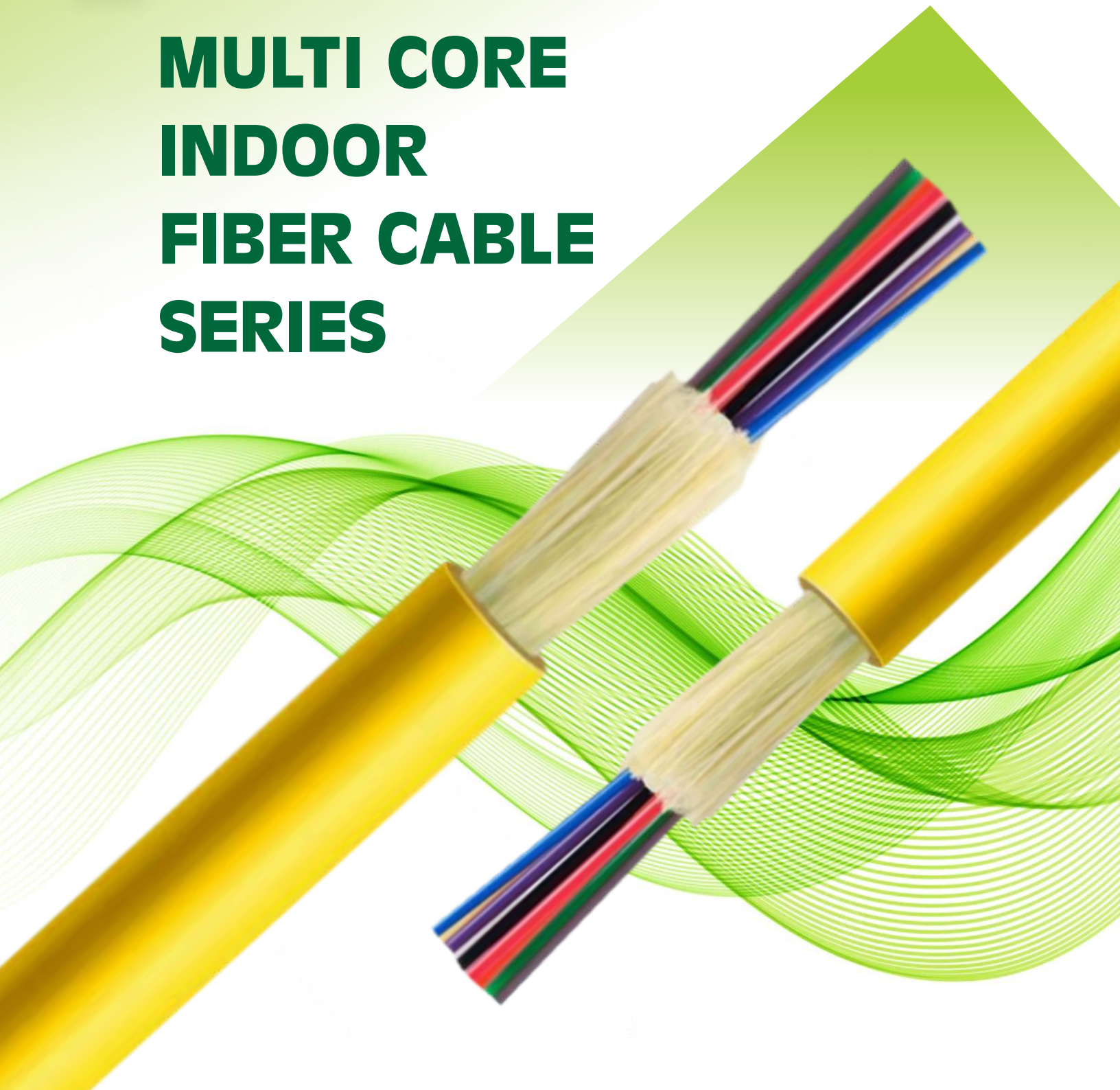
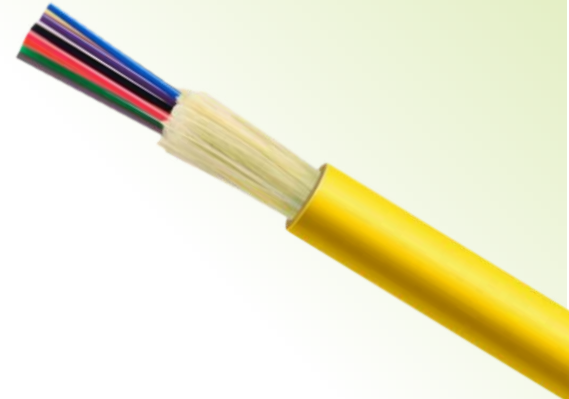
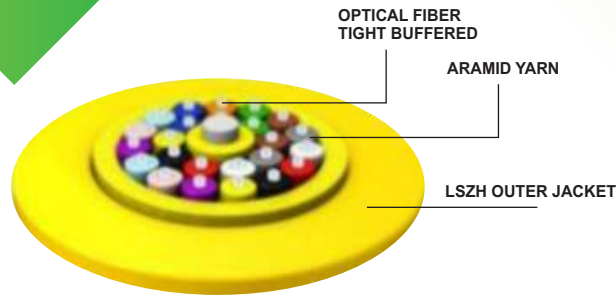


# **MULTI CORE INDOOR FIBER CABLE SERIES**





## TMT GLOBAL Single mode Indoor/outdoor Optical Fiber Cable Tight Buffered ,,8,12,24,-Core LSZH

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     |
| Tight Buffered                | HFFR (900µm)                      |
| Fiber Type                    | ITU-T G.652D                      |
| Tube material                 | PBT ( Polybutylene Terephthalate) |
| Color                         | Yellow, Green,                    |
| Packing Detail                |                                   |
| Fiber Count                   | 6,8,12,24                         |
| Tube Outer/Inner Diameter(mm) | 3.0-/2.0 ±                        |
| Cable Diameter(mm)            | 3.0*-0.15                         |
| Cable Weight(kg/km)           | 45±                               |
| Length/ Drum                  | 2000 m Drum ±5%                   |
| Strength                      | Aramid yarn                       |
| Outer Jacket                  | LSZH                              |

| Mechanical and Environmental Properties |   |                    |
|---|---|--------------------|
| Physical tests                          | Value   | Standard           |
| Tensile Strength                        | 2700 N (during Installation)<br>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  |                    |
| Storage and Transportation Temperature  | -40 to +70 C  | IEC 60794-1-2-F1   |
| 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)<br>0.25 dB/km (1550 nm)  | 0.40 dB/km (1310 nm)<br>0.25 dB/km (1550 nm)  | 0.35 dB/km (1310 nm)<br>0.22 dB/km (1550 nm) |
| MFD   | 9.0±0.4 µm (1310 nm)<br>10.1±0.5 µm (1550 nm) | 9.0±0.4 µm (1310 nm)<br>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 ≤ 1324nm                               | 1300nm ≤ 1324nm                               | 1302nm ≤ 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                            | ≤ 0.5dB @1550 nm                             |

| Model No | Products ID | Ordering Information  |
|----------|-------------|---|
| TMT-3101 | TMT-081TLY  | 8CORE SINGLE MODE INDOOR TIGHT BUFFERED FIBER OPTIC CABLE LSZH G.652D |

