

Multi Mode Indoor Fiber Optic Cable LSZH

Indoor fiber optic cables are tight buffer design, usually they consist of the following components inside the cable, the FRP which is non-metallic strengthen member, the tight buffer optical fiber, the Kevlar which is used to further strength the cable structure, making it resist high tension, and the cable outer jacket. The trend is to use LSZH or other RoHS compliant PVC materials to make the cable jacket; this will help protect the environment and the health of the end users.

Feature

- Material of jacket: LSZH
- Low smoke zero halogen (LSZH) flame retardant polyolefin
- Thermoplastic polyurethane (TPU)
- Environmental materials and mouse-proof materials are also used where there are environmental or special requirements, or other customized material.

Technical Specification

| Parameter | | Value | | |
|------------------------|---------|--|--------------|------------------|
| Core Diameter | | 50.0 ±0.2 | | |
| Cladding Diameter | | 125.0 ±1.0 | | |
| Coating Diameter | | 245 ± 7um | | |
| Outer jacket Dimension | | 6.2 ± 0.2um | | |
| | | OM1 (62.5/125) | OM2 (50/125) | OM3/OM4 (50/125) |
| Attenuation | @850nm | 3.5 dB/Km | 3.5 dB/Km | 3.0 dB/Km |
| | @1300nm | 1.2 dB/Km | 1.5 dB/Km | 1.0 dB/Km |
| Band-width | @850nm | ≥ 160 MHz*Km | ≥ 400 MHz*Km | ≥ 1500 MHz*Km |
| | @1300nm | ≥500 MHz*Km | ≥800 MHz*Km | ≥500 MHz*Km |
| Crush Resistance | | 300 N/10cm (Long Term); 1000 N/10cm (Short Term) | | |
| Min Bending Radius | | 20D (Dynamic); 10D(Static) | | |
| Max Tension | | Short Term 1000N | | |
| | | Long-Term 500N | | |
| Operating Temperature | | -20°C to +70°C | | |

Ordering Information

| Part Code | Description |
|----------------|--|
| 3C-XXYYY-TB-ZZ | Multi Mode Indoor Fiber Optic Cable LSZH |

XX – MM

YY – OM1,OM2,OM3,OM4,OS2

ZZ – Number of cores 6, 12, 24

