

LANmark-OF TB LSZH 48-96C - APAC Region

LANMARK-OF TIGHT BUFFER LSZH SM G.652.D 48C YELLOW

Aginode Ref: N174.037

Tight buffered optical fibre cables

- Indoor cable designed for backbone/horizontal installation
- All fibre grades
- Low Smoke Zero Halogene (LSZH)

Description and Application

Aginode LANmark-OF TB Indoor fibre cable is designed for indoor applications. The fibre cable has 900µm tight buffered fibres with flame sheath around the transmission medium, and the 900µm sheath provides additional protection for the fibres. The cable is coated with aramid yarns as the strength member, and the outermost layer is coated with LSZH jacket. Bend Insensitive OM3/OM4 and SingleMode G.652.D and G.657.A1 are available.

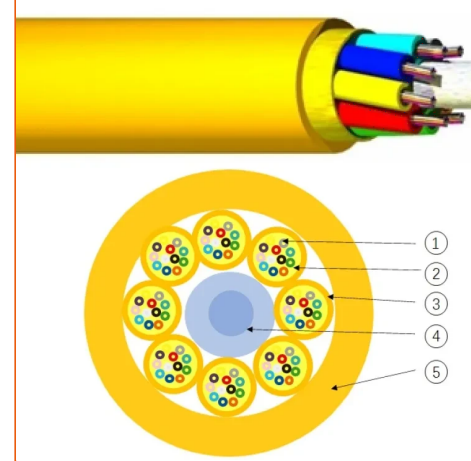
The fibre cable is of a dry structure suitable for horizontal or vertical installation. The fibre cable meets the needs of indoor fire protection and can be installed in ducts.

- Can be installed both vertically or horizontally
- Applicable as standard multimode and singlemode fibre
- Central FRP strength member
- Up to 8 sub tube, each contain 12c fibres
- LSZH Jacket
- Tight buffered fibre for easy stripping

Construction

Legend accompanying the cross section drawing for 48-96core OF cable:

1. 900µm Tight buffered fibre
2. Aramid yarn
3. Subunit jacket
4. Central FRP Strength member
5. LSZH jacket materials



STANDARDS

- ANSI/TIA-568-C.3
- IEC 60332-1
- IEC 60332-3-24 Cat.C
- IEC 60793-2-10
- ISO/IEC 11801

LANmark-OF Tight Buffer LSZH SM G.652.D 48C YELLOW

Characteristics

Construction characteristics

| | |
|------------------------|-------------|
| Colour | Yellow |
| Fiber optic type | SM (G.652D) |
| Strength member | Central FRP |
| Number of tube layer 1 | 4 |

Dimensional characteristics

| | |
|--------------------------|---------|
| Outer Diameter | 14.8 mm |
| Number of optical fibres | 48 |

Mechanical characteristics

| | |
|---|----------------------|
| Mechanical resistance to impacts (IEC 60794-1-E4) | 100 impacts of 1 N.m |
| Crush resistance (IEC 60794-1-E3) | 1000 N/100mm |
| Maximum pulling force (IEC 60794-1-2-E1) | 1500 N |

Usage characteristics

| | |
|--|-------------|
| Operating temperature, range | -20...60 °C |
| Minimum dynamic operating bending radius | 296.0 mm |
| Minimum static operating bending radius | 148 mm |
| Storage temperature, range | -30...70 °C |
| Installation temperature, range | 0...40 °C |