

# essential-OF TB LSZH 2-24C - APAC Region

## ESSENTIAL-OF TIGHT BUFFER LSZH BI OM3 12C ORANGE

**Aginode Ref:** N275.TBIN120

Tight buffered optical fibre cables

- Indoor cable designed for backbone/horizontal installation
- Available in OM3 and SingleMode G.652.D
- Outer Jacket is Low Smoke Zero Halogene (LSZH)

### Description and Application

Essential-OF TB Indoor fibre cable is designed for indoor applications especially for building. The fibre cable has 900µm tight buffered fibres. The cable is coated with aramid yarns, and the outer jacket is LSZH with good fire performance. Essential-OF TB is available for Bend Insensitive OM3 and SingleMode G.652.D.

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
- LSZH Jacket
- Tight buffered fibre

### Construction

Legend accompanying the cross section drawing for 2-24core OF cable:

1. 900µm Tight buffered fibre
2. Aramid yarn
3. 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

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## Characteristics

### Construction characteristics

Colour	Orange
Fiber optic type	OM3 50/125

### Dimensional characteristics

Outer Diameter	6 mm
Number of optical fibres	12

### 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)	440 N

### Usage characteristics

Operating temperature, range	-20...60 °C
Minimum dynamic operating bending radius	120.0 mm
Minimum static operating bending radius	60 mm
Storage temperature, range	-20...60 °C
Installation temperature, range	0...40 °C