

# LANmark-OF Indoor Tight Buffer optical fiber cables LSZH GB31247-B1 48-144C

INDOOR 144F TIGHT BUFFER OPTICAL FIBER CABLES LSZH GB31247-B1, G.652.D

**Aginode Ref:** N174.061GB1

- Tight Buffer optical fiber cables
- Indoor cable
- Aramid yarns for ease of installation
- Design for direct termination and splicing
- 144 fiber
- Flame Retardant complies with GB31247-B1

## Application

The LANmark-OF Tight buffer Indoor cable has 900um buffered fibres. This second coating till 900um provides additional protection of the fibres and facilitates the handling when terminating the fibres in a patch panel. The easy strip tight buffer design allows stripping the fibre over 10cm in one action.

The LANmark-OF Tight buffer Indoor cable is most suitable for direct termination by either anaerobic or hot melt connectors. The tight buffered fibres can also be terminated with splicing of pigtails.

The dry structure of the LANmark-Of Tight Buffer Indoor cable allows both vertical and horizontal installations. It complies with GB31247-B1(d0,t0,a1) flame retardant. The cables can also be installed in a duct by pulling.

## Construction

Legend accompanying the cross section drawing:

1. Optical fibre (900 um)
2. Aramid Yarn
3. LSZH subunit sheath
4. FRP
5. LSZH Outer sheath

## CHARACTERISTICS

- Mechanical resistance to impacts: IEC 60794-1
- Crush resistance: IEC 60794-1
- Flame Retardant: GB31247-B1 (d0,t0,a1)
- Installation temperature: -20 - 60°C
- Operating temperature: -20 - 60°C
- Storage temperature: -20 - 60°C
- Fiber Bending Insensitive(only for BI fibers): IEC 60792-2-10



## STANDARDS

ANSI/TIA-568.3-D  
GB 31247  
IEC 60793-2-10  
ISO/IEC 11801

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## Characteristics

### Construction characteristics

Colour	Yellow
Fiber optic type	SM (G.652D)

### Dimensional characteristics

Outer Diameter	25 mm
Number of optical fibres	144

### 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	500.0 mm
Minimum static operating bending radius	250 mm
Storage temperature, range	-20...60 °C
Installation temperature, range	-20...60 °C

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