

# Cables - LANmark-OF TB LSZH

LANmark-OF TB 8x Singlemode 9/125 OS2 LSZH Black

Nexans ref.: [N164.023](#)

Tight Buffer optical fibre cables

- Designed for direct termination on ST, SC or LC connectors and splicing
- Indoor cable
- Up to 24 fibres
- Available in all fibre grades

## DESCRIPTION

### Description and Application

This cable is designed with a 900 um buffered structure. This second coating till 900 um 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 to strip the fibre over 10 cm in one action.

This structure is most suitable for direct termination by either anaerobic or hot melt connectors. These cables can also be terminated with splicing of pigtails.

Its dry dielectric structure is perfect for both horizontal as vertical indoor installations. It complies with the indoor fire requirements. The cable can also be installed in a duct by pulling.

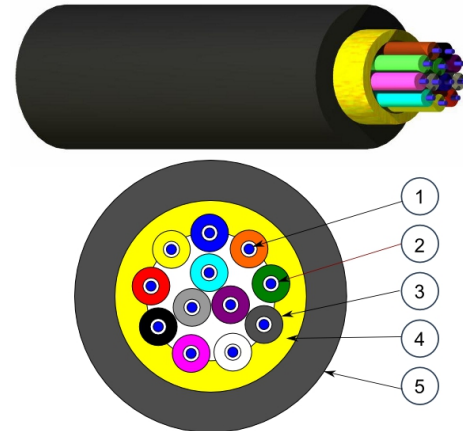
### Construction

Legend accompanying the cross section drawing:

1. Optical fibre (250 um)
2. Coating (400 um)
3. Coating (900 um)
4. Aramid yarns
5. Outer sheath in LSZH material

### Characteristics

- Designed for direct termination and splicing
- Indoor cable for horizontal and vertical installations
- Radial waterproof
- Dielectric design
- Flame non propagation (IEC 60332-1)
- Fire non propagation (IEC 60332-3)
- Aramid yarns for ease of handling and as strength element
- Available in all fibre grades
- Available till 24 fibres



# LANmark-OF

## STANDARDS

International ISO/IEC 11801



Mechanical resistance to impacts  
100 impacts of 1 N.m



Flame retardant  
IEC 60332-1



Fire retardant  
IEC 60332-3



Ambient installation  
T°C range  
0 .. 40 °C



Operating temp.  
-20 .. 60 °C



Storage temperature, range  
-30 .. 70 °C



Min. dynamic operating bending rad.  
45.0 mm



Static bending rad.  
150 mm

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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## Performance

LANmark-OF tight buffered optical fibre cables are available with standard compliant multimode & singlemode fibres. The LANmark-OFxt ranges are supplied with laser optimised multimode fibres offering extended application distances.



Mechanical resistance to impacts  
**100 impacts of 1 N.m**



Flame retardant  
**IEC 60332-1**



Fire retardant  
**IEC 60332-3**



Ambient installation  
T°C range  
**0 .. 40 °C**



Operating temp.  
**-20 .. 60 °C**



Storage temperature, range  
**-30 .. 70 °C**



Min. dynamic operating bending rad.  
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## CHARACTERISTICS

### Construction characteristics

Fiber optic type SM (G.652D)

### Dimensional characteristics

Number of optical fibres 8

Nominal outer diameter 6.1 mm

Approximate weight 32 kg/km

### Mechanical characteristics

Mechanical resistance to impacts 100 impacts of 1 N.m

Crush resistance (IEC 60794-1-E3) 100 N/cm

Maximum operating pulling force 500 N

Maximum pulling force (IEC 60794-1-2-E1) 1000 N

### Usage characteristics

Flame retardant IEC 60332-1

Fire retardant IEC 60332-3

Ambient installation temperature, range 0 .. 40 °C

Operating temperature, range -20 .. 60 °C

Storage temperature, range -30 .. 70 °C

Minimum dynamic operating bending radius 45.0 mm

Minimum static operating bending radius 150 mm