

# LANmark-OF Tight Buffer Universal Cca

LANmark-OF Tight Buffer Universal 6x Singlemode 9/125 OS2 LSZH  
Cca Yellow

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- Tight Buffer Universal optical fibre cable
- Indoor cable and outdoor installation in a duct
- Fully waterproof and rodent retardant
- Designed for direct termination and splicing
- 6 fibres SM

## DESCRIPTION

### Description and Application

The LANmark-OF Tight Buffer Universal cable is a fibre cable that can be used indoor and outdoor in a duct.

It complies with the indoor fire requirements and can be installed indoor both vertically and horizontally.

The LANmark-OF Tight Buffer Universal can also be used for outdoor installation in a duct: the water tight glass yarns make the cables fully waterproof and rodent retardant.

The LANmark-OF Tight Buffer Universal cable has 900 um buffered fibres. 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 stripping the fibre over 10 cm in one action.

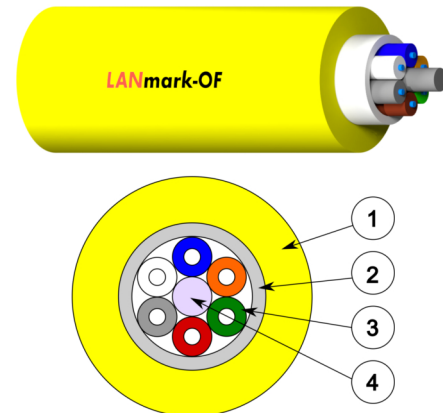
The LANmark-OF Tight Buffer Universal is most suitable for direct termination by either anaerobic or hot melt connectors. The tight buffered fibres can also be terminated with splicing of pigtailed.

Tight buffer cables are available in Aqua for OM3 and OM4 and Yellow for singlemode. High exposure to UV radiation and sunlight could lead to fading of the Aqua and Yellow jacket, but the mechanical integrity of the cable jacket will be maintained.

### Construction

Legend accompanying the cross section drawing:

1. LSZH outer sheath with UV resistant additive
2. Watertight glass yarns
3. Optical fibres (900 um)
4. Central strength element



**LANmark-OF**

## STANDARDS

International ISO/IEC 11801



Mechanical resistance to impacts  
10 impacts of 3 N.m



Flame retardant  
IEC 60332-1



Fire retardant  
IEC 60332-3



Gases toxicity  
IEC 61034



Gases corrosivity  
IEC 60754-1, IEC 60754-2



Ambient installation  
T°C range  
0 - 40 °C



Static bending rad.  
55 mm



Min. dynamic operating bending rad.  
85.0 mm

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## Characteristics

- Designed for direct termination and splicing
- Dielectric design
- Indoor cable for horizontal and vertical installations
- Fire performance compliant with IEC 60332-1, IEC 60332-3, IEC 60754-1, IEC 60794, IEC61034
- Outdoor installation in a duct
- Fully waterproof
- Rodent retardant
- UV resistant
- Available in SM, OM3 and OM4
- Available in 6-12 and 24 fibres

## CHARACTERISTICS

### Construction characteristics

Fiber optic type SM (G657.A1)

### Dimensional characteristics

Nominal outer diameter 5.3 mm

Approximate weight 33 kg/km

Number of optical fibres 6

### Mechanical characteristics

Maximum pulling force (IEC 60794-1-2-E1) 700 N

Maximum operating pulling force 200 N

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

Mechanical resistance to impacts 10 impacts of 3 N.m

### Usage characteristics

Flame retardant IEC 60332-1

Fire retardant IEC 60332-3

Gases toxicity IEC 61034

Gases corrosivity IEC 60754-1, IEC 60754-2

Ambient installation temperature, range 0 - 40 °C

Minimum static operating bending radius 55 mm

Minimum dynamic operating bending radius 85.0 mm

Operating temperature, range -20 - 70 °C

Storage temperature, range -40 - 70 °C



Mechanical resistance to impacts  
 10 impacts of 3 N.m



Flame retardant  
 IEC 60332-1



Fire retardant  
 IEC 60332-3



Gases toxicity  
 IEC 61034



Gases corrosivity  
 IEC 60754-1, IEC 60754-2



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