

LANmark-OF Tight Buffer Universal

LANmark-OF Tight Buffer Universal 6x Multimode 50/125 OM3 LSZH Aqua
 Nexans ref.: N165.TBUN06A

- 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
- Up to 24 fibres and available in SM, OM3 and OM4

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.

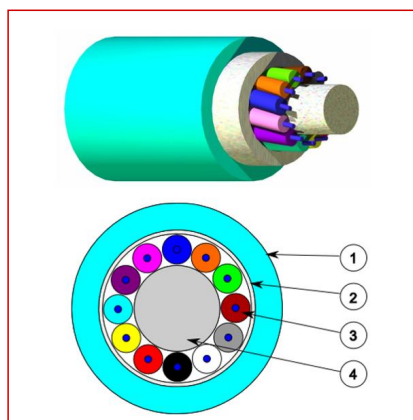
It complies with the indoor fire requirements and can be installed indoor both vertically and horizontally.

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 pigtails.

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.



Standards
 International ISO/IEC 11801

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

Mechanical resistance to impacts 10 impacts of 3 N.m	Flame retardant IEC 60332-1	Fire retardant IEC 60332-3	Ambient installation T°C range 0 .. 40 °C	Operating temp. range -40 .. 70 °C	Storage temperature, range -40 .. 70 °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, NFC 32070 C2, and NFC 32070 C1
- Outdoor cable for installation in a duct
- Fully waterproof
- Rodent retardant
- UV resistant
- Available in SM, OM3 and OM4
- Available in 2-24 fibres

Characteristics

Construction characteristics	
Fiber optic type	OM3 50/125
Dimensional characteristics	
Number of optical fibres	6
Nominal outer diameter	5.3 mm
Approximate weight	33 kg/km
Mechanical characteristics	
Mechanical resistance to impacts	10 impacts of 3 N.m
Crush resistance (IEC 60794-1-E3)	100 N/cm
Maximum operating pulling force	200 N
Maximum pulling force (IEC 60794-1-2-E1)	700 N
Usage characteristics	
Flame retardant	IEC 60332-1
Fire retardant	IEC 60332-3
Ambient installation temperature, range	0 .. 40 °C
Operating temperature, range	-40 .. 70 °C
Storage temperature, range	-40 .. 70 °C
Minimum static operating bending radius	55 mm
Minimum dynamic operating bending radius	85.0 mm
Gases corrosivity	IEC 60754-1, IEC 60754-2
Gases toxicity	IEC 61034



Mechanical resistance to impacts
10 impacts of 3 N.m



Flame retardant
IEC 60332-1



Fire retardant
IEC 60332-3



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



Operating temp. range
-40 .. 70 °C



Storage temperature, range
-40 .. 70 °C



static bending rad.
55 mm



Min. dynamic operating bending rad.
85.0 mm