LANmark-OF Tight Buffer Universal 6 -12 and 24FO Cca

LANMARK-OF TIGHT BUFFER UNIVERSAL 12X MULTIMODE 50/125 OM4 LSZH CCA VIOLET





Aginode Ref: N167.TBUN12-VC

- Tight Buffer Universal optical fibre cable
- Indoor cable and outdoor installation in a duct
- Fully waterproof
- Designed for direct termination and splicing
- 12 fibres OM4

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, violet for OM4 and Yellow for singlemode. High exposure to UV radiation and sunlight could lead to fading of the color jacket, but the mechanical integrity of the cable jacket will be maintained.

STANDARDS

ISO/IEC 11801

Construction

Legend accompanying the cross section drawing:

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

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

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
- UV resistant
- Available in SM, OM3 and OM4
- Available in 6-12 and 24 fibres

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LANmark-OF Tight Buffer Universal 12x Multimode 50/125 OM4 LSZH Cca Violet

Characteristics

Construction characteristics	
Fiber optic type	OM4 50/125
Dimensional characteristics	
Nominal outer diameter (mm)	7.1 mm
Approximate weight	53 kg/km
Number of optical fibres	12
Mechanical characteristics	
Crush resistance (IEC 60794-1-E3)	1000 N/100mm
Mechanical resistance to impacts	10 impacts of 3 N.m
Usage characteristics	
Gases corrosivity	IEC 60754-1; IEC 60754-2
Fire retardant	IEC 60332-3
Flame retardant	IEC 60332-1
Minimum dynamic operating bending radius	106.5 mm
Minimum static operating bending radius	142 mm
Ambient dynamic operating temperature, range	-30...60 °C
Operating temperature, range	-40...70 °C
Ambient installation temperature, range	-30...60 °C
Storage temperature, range	-40...70 °C

DoP: Declaration of Performance

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