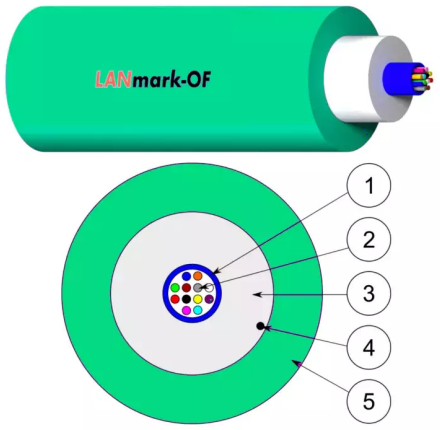
LANmark-OF Micro-Bundle Universal (6F-12F) Cca

LANMARK-OF MICRO-BUNDLE UNIVERSAL 12X MULTIMODE 50/125 OM5 LSZH CCA LIME GREEN



Aginode Ref: N169.MBUN12-LC

- Micro-Bundle Universal optical fibre cable
- Indoor cable and outdoor installation in a duct
- Fully waterproof and rodent retardant
- Designed for splicing with pigtails
- 12 fibres in a micro-bundle

Description and Application

The new Micro-Bundle technology from Aginode allows to manufacture a very flexible and small tube that is the central part of the new “LANmark-OF Micro-Bundle Universal” cable design. This results in a small, flexible, but mechanical robust cable. The central tube contains up till 12 fibres with a fibre diameter of 250 um. Termination of these fibres is done with splicing with pigtails.

The small bending radius of the Micro-Bundle makes the cable easy to arrange in patch panels and for installations in data centres and backbones.

The watertight glass yarns and the very limited amount of gel inside the tube makes this cable design watertight and suitable for installation outdoor in a duct by pulling.

The fire performance of the LANmark-OF Micro-Bundle Universal allows indoor installation as well. Since there is no drip effect of the very limited amount of gel the cable is optimised for both horizontal and vertical installations.

STANDARDS

ISO/IEC 11801

Construction

1. Central Micro-Bundle
2. Optical fibres (250 µm)
3. Reinforced watertight glass yarns
4. Ripcord
5. LSZH outer jacket with UV resistant additive

Characteristics

- Micro-Bundle design for easy installation

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.

- Indoor cable for horizontal and vertical installation
- Flame retardant (IEC 60332-1)
- Fire retardant (IEC 60332-3)
- Outdoor cable for installation in a duct
- Designed for termination by splicing
- Central Micro-Bundle design for easy installation
- All dielectric design
- Waterproof structure, Rodent retardant and UV-resistant
- Flame retardant (IEC 60332-1) and fire retardant (IEC 60332-3)
- Available in all fibre grades and 6-12 fibres
- Gas Toxicity (IEC 60754) and Smoke Density (IEC61034)
- Reaction to fire Cca according to EN50575:2014+A1:2016
- Sheath color: Aqua (OM3-OM4), Violet (OM4), Yellow (OS2), Lime Green (OM5)

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Characteristics

Construction characteristics	
Fiber optic type	OM5 50/125 Wideband
Outer sheath	LSZH
Halogen free	IEC 60754-1
Material used for longitudinal water tightness	Watertight glass yarns
Metal free	Yes
Construction type	Unibundle
Additional strength member	Glass yarn
Dimensional characteristics	
Approximate weight	45 kg/km
Number of optical fibres	12
Nominal outer diameter (mm)	6.0 mm
Mechanical characteristics	
Mechanical resistance to impacts	10 impacts of 3 N.m
Maximum operating pulling force	700 N
Maximum pulling force (IEC 60794-1-2-E1)	2200 N
Crush resistance (IEC 60794-1-E3)	200 N/cm
Usage characteristics	
Operating temperature, range	-40...60 °C
Fire retardant	IEC 60332-3
Minimum static operating bending radius	60 mm
Flame retardant	IEC 60332-1
Smoke density	IEC 61034-2
U.V resistance	Very good
Storage temperature, range	-40...60 °C
Laying operation bending radius	60 mm
Installation type	Indoor/Outdoor
Installation temperature, range	0...40 °C

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Water proof	Longitudinal & radial

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