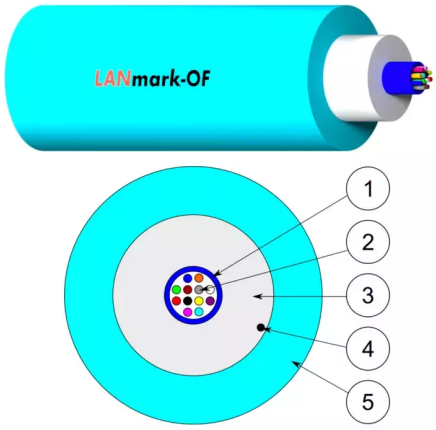
LANmark-OF Micro-Bundle Universal (6F-12F) Cca

LANMARK-OF MICRO-BUNDLE UNIVERSAL 12X MULTIMODE 50/125 OM4 LSZH CCA AQUA

Aginode Ref: N167.MBUN12-AC

- 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



STANDARDS

ISO/IEC 11801

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.

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

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.

Characteristics

- Micro-Bundle design for easy installation
- 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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LANmark-OF Micro-Bundle Universal 12x Multimode 50/125 OM4 LSZH Cca Aqua

Eigenschaften

Konstruktionsmerkmale	
Fasertyp	OM4 50/125
Außenmantel	LSZH
Halogenfrei	IEC 60754-1
Verwendetes Material für Längswasserdichtigkeit	Watertight glass yarns
Metallfrei	Yes
Leitungsaufbau	Unibundle
Additional strength member	Glass yarn
Abmessungsmerkmale	
Nettogewicht ca.	45 kg/km
Anzahl der optischen Fasern	12
Außendurchmesser, nom.	6.0 mm
Mechanische Eigenschaften	
Mechanische Festigkeit gegen Schläge	10 impacts of 3 N.m
Max. Betriebszugkraft	700 N
Max. Zugkraft (IEC 60794-1-2-E1)	2200 N
Querdruckwiderstand (IEC 794-1-E3)	200 N/cm
Anwendungsmerkmale	
Betriebstemperatur	-40...60 °C
flammwidrig	IEC 60332-3
Mindestbiegeradius bei statischem Einsatz	60 mm
Flammwidrig	IEC 60332-1
Rauchdichte	IEC 61034-2
UV Beständigkeit	Very good
Lagertemperatur, Bereich	-40...60 °C
Biegeradius während Verlegung	60 mm

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Art der Installation	Indoor/Outdoor
Umgebungstemperatur, Bereich	0...40 °C
Wasserdicht	Längs- und quer-

Erklärung zur Leistung

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