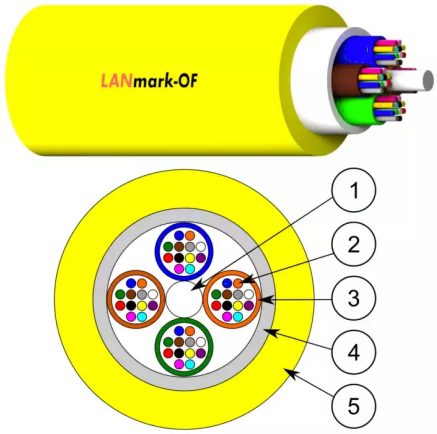
LANmark-OF Micro-Bundle Universal (24F-96F) Cca

LANMARK-OF MICRO-BUNDLE UNIVERSAL 48X SINGLEMODE 9/125 OS2 LSZH CCA YELLOW



Aginode Ref: N164.MBUN48-YC

- Micro-Bundle Universal optical fibre cable
- Indoor cable and outdoor installation in a duct
- Fully waterproof and rodent resistant
- Small, but mechancial strong cable
- Bundle extraction over 2 meters
- Designed for splicing with pigtails
- Micro-bundles of 12fibres

Description and Application

The new Micro-Bundle technology from Aginode allows to manufacture a flexible and small tube. This Micro-Bundle is the central part of the new “LANmark-OF Micro-Bundle Universal” cable design. Each Micro-Bundle contains 12 fibres with a fibre diameter of 250 um. Termination of these fibres is done with splicing with pigtails.

Several Micro-Bundles are arranged around a central strength element. The combination of the Micro-Bundle technology, the central strength element and the glass yarns result in a mechanical robust, but also in a small and flexible cable.
The small bending radius of the LANmark-OF Micro-Bundle Universal makes the cable easy to arrange in patch panels, in cable trays and in ducts.

The watertight glass yarns and the very limited amount of gel inside the tube make the LANmark-OF Micro-Bundle Universal design watertight, rodent resistant and suitable for installation outdoor in a duct by pulling.

The LANmark-OF Micro-Bundle Universal complies with the indoor fire requirements. Since there is no drip effect of the very limited amount of gel the cable is optimised for both

STANDARDS

ISO/IEC 11801

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horizontal and vertical installations.

Construction

Legend accompanying the cross section drawing:

1. Central strength element
2. Optical fibre (250 µm)
3. Micro-Bundle with 12 fibres
4. Reinforced watertight glass yarns
5. Outer sheath in LSZH material with UV resistant additive

Characteristics

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

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LANmark-OF Micro-Bundle Universal 48x Singlemode 9/125 OS2 LSZH Cca Yellow

Eigenschaften

Konstruktionsmerkmale	
Fasertyp	SM (G657.A1)
Außenmantel	LSZH
Halogenfrei	IEC 60754-1
Metallfrei	Yes
Leitungsaufbau	Multibundle
Abmessungsmerkmale	
Nettogewicht ca.	35 kg/km
Anzahl der optischen Fasern	48
Außendurchmesser, nom.	5.9 mm
Mechanische Eigenschaften	
Mechanische Festigkeit gegen Schläge	10 impacts of 1 N.m
Maximalzulässige Dauerzuglast	0.2 kN
Querdruckwiderstand (IEC 794-1-E3)	100 N/cm
Maximale Zugspannung bei Installation	800 N
Anwendungsmerkmale	
Betriebstemperatur	-20...60 °C
flammwidrig	IEC 60332-3
Mindestbiegeradius bei statischem Einsatz	90 mm
Flammwidrig	IEC 60332-1
Rauchdichte	IEC 61034-2
UV Beständigkeit	Very good
Lagertemperatur, Bereich	-40...60 °C
Biegeradius während Verlegung	120 mm
Art der Installation	Indoor/Outdoor
Umgebungstemperatur, Bereich	0...40 °C

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Erklärung zur Leistung

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