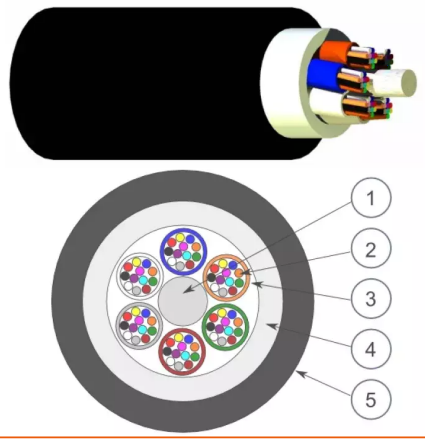
LANmark-OF Micro-Bundle Universal (24F-96F) Eca

LANMARK-OF MICRO-BUNDLE UNIVERSAL 96X MULTIMODE 50/125 OM4 LSZH ECA BLACK

Aginode Ref: N167.MBUN96

- Micro-Bundle Universal optical fibre cable
- Indoor cable and outdoor installation in a duct
- Fully waterproof and rodent resistant
- Small, but mechancial strong cable
- Designed for splicing with pigtails
- 24-96 fibres and available in all fibre grades



STANDARDS

ISO/IEC 11801

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.

Up to 8 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 horizontal and vertical installations.

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.

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 24, 48 and 96 fibres
- Available in all fibre grades
- Gas Toxicity (IEC 60754) and Smoke Density (IEC61034)

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Characteristics

구조적 특성	
Fiber optic type	OM4 50/125
치수	
무게(근사치)	78 kg/km
Number of optical fibres	96
Nominal outer diameter (mm)	7.8 mm
기계적 특성	
Mechanical resistance to impacts	10 impacts of 1 N.m
Maximum operating pulling force	800 N
Maximum pulling force (IEC 60794-1-2-E1)	2100 N
Crush resistance (IEC 60794-1-E3)	100 N/cm
사용 특성	
Gases corrosivity	IEC 60754-1; IEC 60754-2
操作温度范围	-30...60 °C
Fire retardant	IEC 60332-3
Minimum dynamic operating bending radius	160.0 mm
Minimum static operating bending radius	120 mm
난연	IEC 60332-1
연기밀도	IEC 61034
Storage temperature, range	-30...60 °C
Ambient installation temperature, range	0...40 °C

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