

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

Eca

LANmark-OF Micro-Bundle Universal 96x Multimode 50/125 OM3 LSZH

Eca Black

Nexans art.nr.: N165.MBUN96

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

BESKRIVELSE

Description and Application

The new Micro-Bundle technology from Nexans 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 μm . 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.

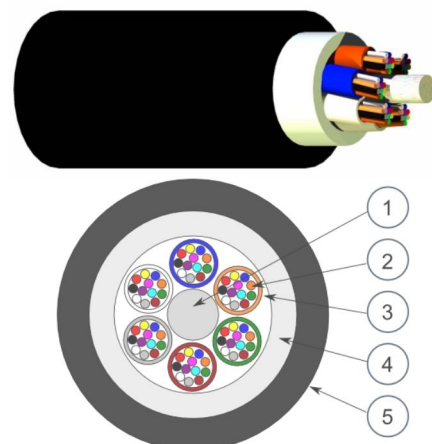
The watertight glass yarns and the very limited amount of gel inside the tube make the LANmark-OF Micro-Bundle Universal design watertight, rodent resistant and suitable for installation outdoor in a duct by pulling.

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.

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



LANmark-OF

YTELSESERKLÆRING

Eca



Motstandsevne
støt
10 impacts of
1 N.m



Flammehemmend
IEC 60332-1



Brannbegrensning
IEC 60332-3



Ambient
installation T°C
range
0 - 40 °C



Operating
temp.
-30 - 60 °C



Lagringstemperatur
område
-30 - 60 °C



Korrosive
gasser
IEC 60754-1,
IEC 60754-2



Min. dynamic
operating
bending rad.
160,0 mm



Static bending
rad.
120 mm



Røyketthet
IEC 61034

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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)

KARAKTERISTIKKER

Konstruksjonsegenskaper

Fibertype	OM3 50/125
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Dimensjonsegenskaper

Antall optiske fibre	96
Nominell ytre diameter	7,8 mm
Vekt (ca.)	78 kg/km

Mekaniske egenskaper

Motstandsevne støt	10 impacts of 1 N.m
Motstand mot sammenpressing (IEC 794-1)	100 N/cm
Maximum operating pulling force	800 N
Maximum pulling force (IEC 60794-1-2-E1)	2100 N

Bruksegenskaper

Flammehemmende	IEC 60332-1
Brannbegrensende	IEC 60332-3
Temperaturområde under installasjon	0 - 40 °C
Driftstemperatur område	-30 - 60 °C
Lagringstemperatur område	-30 - 60 °C
Korrosive gasser	IEC 60754-1, IEC 60754-2
Min dynamisk bøyeradius	160,0 mm
Min. statisk bøyeradius	120 mm
Røyktetthet	IEC 61034



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støt
10 impacts of
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