

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

Eca

LANmark-OF Micro-Bundle Universal 96x Singlemode 9/125 OS2 LSZH
Eca Black

Kontakt

Nexans Cabling Solutions
firmapost@nexans.com

Nexans ref.: N164.MBUN96

El. nummer: 1026955

- 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.

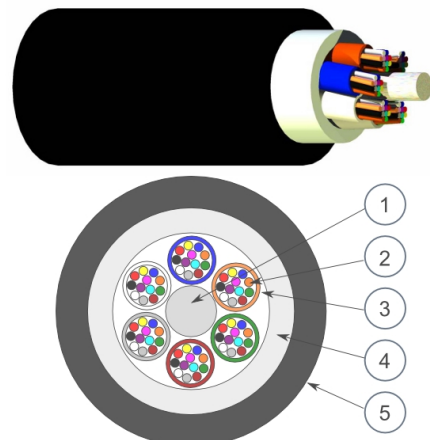
The watertight glass yarns and the very limited amount of gel inside the tube make the LANmark-OF Micro-Bundle Universal design watertight, rodent resistant and suitable for installation outdoor in a duct by pulling.

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

Brannklasse: E_{ca}
i henhold til EN50575:2014
+A1:2016

STANDARDER

Internasjonal ISO/IEC 11801



Brannklasse
E_{ca}



Motstandsevne støt
10 impacts of 1
N.m



Flammehemmende
IEC 60332-1



Brannbegrensende
IEC 60332-3



Ambient installation
T°C range
0 .. 40 °C



Operating temp.
-30 .. 60 °C



Lagringstemperatur
område
-30 .. 60 °C



Static bending rad.
120 mm

Alle tegninger, design, spesifikasjoner, planer og informasjon om vekt, størrelse og dimensjoner i Nexans' tekniske eller kommersielle dokumentasjon er omtrentlig og er ikke bindende fra Nexans' side.

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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)

EGENSKAPER

Konstruksjonsegenskaper

Fibertype SM (G657.A1)

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

Min. statisk bøyeradius 120 mm

Min dynamisk bøyeradius 160,0 mm

Røyktetthet IEC 61034

Korrosive gasser IEC 60754-1, IEC 60754-2



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