

LANmark-OF Micro-Bundle Extractable Eca

LANmark-OF Micro-Bundle Extractable mod 12 144x Singlemode 9/125
OS2 LSZH Eca Yellow

Contact

Cables for Telecommunications/Building/LAN systems
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Nexans ref.: [N164.MBEX144MOD12Y](#)

- Micro-Bundle Indoor optical fibre cable
- Bundles can be extracted over 6m
- Cable for horizontal or vertical installation
- Designed for splicing with pigtails
- Available with modularity of 12 fibres per bundle
- Available in SM, OM3, OM4

DESCRIPTION

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 Extractable" cable design. The Micro-Bundle can be extracted over 6m from the cable. The cables are available with a bundle modularity of 12 fibres. The Micro-Bundle contains fibres with a fibre diameter of 250 μ m. Termination of these fibres is done with splicing with pigtails.

The Micro-Bundles are arranged around a central strength element. Aramid yarns provide additional strength and make the cable installer friendly. The combination of the Micro-Bundle technology, the central strength element and aramid yarns result in a mechanical robust, but also small and flexible cable.

The small bending radius of the LANmark-OF Extractable Micro-Bundle makes the cable easy to arrange in patch panels, in cable trays and in ducts.

The LANmark-OF Extractable Micro-Bundle 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. Extractable bundle Micro-Bundle till 6 m
3. Optical fibre (250 μ m)
4. Reinforced aramid yarns
5. Outer sheath in LSZH material

Characteristics



Mechanical resistance to impacts
10 impacts of 1 N.m



Flame retardant
IEC 60332-1



Fire retardant
IEC 60332-3



Static bending rad.
100 mm



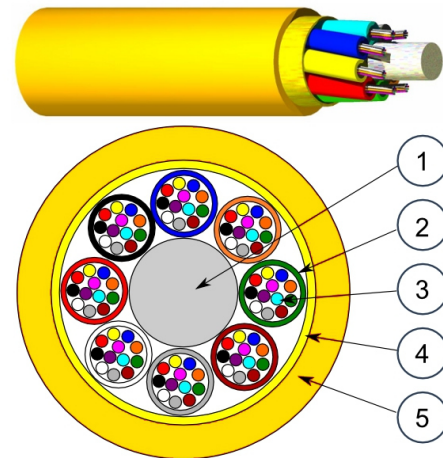
Ambient installation T°
C range
0 .. 40 °C



Operating temp.
-10 .. 60 °C



Storage temperature, range
-40 .. 60 °C



LANmark-OF

STANDARDS

International ISO/IEC 11801

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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- Extractable bundle till 6 m
- Indoor cable for horizontal and vertical installations
- Flame retardant (IEC 60332-1)
- Fire retardant (IEC 60332-3)
- All dielectric design
- Designed for termination by splicing
- Aramid yarns for ease of handling and as strength element
- 12 fibres per Micro-Bundle

CHARACTERISTICS

Construction characteristics

Fiber optic type	SM (G657.A1)
Sheath colour	Yellow

Dimensional characteristics

Number of optical fibres	144
Nominal outer diameter	8.8 mm
Approximate weight	74 kg/km
Number of tubes	12
Max. number of fibres per tube	12

Mechanical characteristics

Maximum pulling force (IEC 60794-1-2-E1)	1400 N
Maximum operating pulling force	200 N
Crush resistance (IEC 60794-1-E3)	100 N/cm
Mechanical resistance to impacts	10 impacts of 1 N.m

Usage characteristics

Flame retardant	IEC 60332-1
Fire retardant	IEC 60332-3
Minimum static operating bending radius	100 mm
Ambient installation temperature, range	0 .. 40 °C
Operating temperature, range	-10 .. 60 °C
Storage temperature, range	-40 .. 60 °C



Mechanical resistance to impacts
 10 impacts of 1 N.m



Flame retardant
 IEC 60332-1



Fire retardant
 IEC 60332-3



Static bending rad.
 100 mm



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



Operating temp.
 -10 .. 60 °C



Storage temperature, range
 -40 .. 60 °C

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