

Distribution - Microbundle cables Cca

MB LSZH 8x12SM G657A1 SP1880 BK

Contact

Sales contact
contact.telecominfra@nexans.com

Nexans Ref.: 10542212

Multi Micro-bundles cable - 96 fibres

DESCRIPTION

This multi micro-bundles cable is designed for indoor/outdoor installation.

This cable has an outstanding fire behaviour.

This cable can be operated under a large temperature range.

Design

The MB LSZH* SP1880 cable has a central strength member (FRP : Fibre Reinforced Plastic), with 8 bundles of 12 fibres around. The design is reinforced by a layer of glass yarns and a LSZH* sheath.

Fibre type

The MB LSZH* SP1880 cable is available with singlemode and multimode fibres.

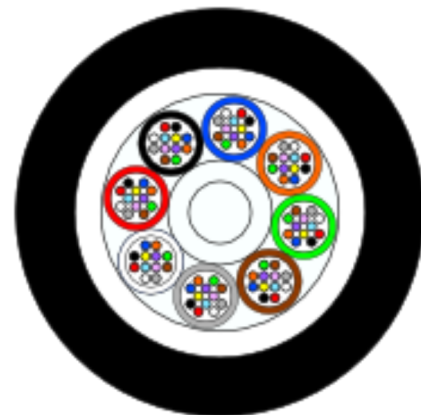
Technical performances

The multibundle cable performances are specified in the following tables.

Additional details

This cable is provided as a standard with a black sheath, other sheath colours are also available. Long exposure to UV with these other colours could generate colour fading.

* LSZH: Low Smoke Zero Halogen.



DECLARATION OF PERFORMANCE

Cca-s1a,d1,a1

STANDARDS

International EN 50399;
IEC 60332-1; IEC 60754-1;
IEC 60794; IEC 61034

National NF C 32-070/C2



Halogen free
IEC 60754-1



Mechanical
resistance to
impacts
10 impacts of 1
N.m



Flame retardant
IEC 60332-1



Fire retardant
IEC 60332-3



Smoke density
IEC 61034-2



Gases toxicity
IEC 60754-1



U.V resistance
Very good



Water proof
Radial

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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CHARACTERISTICS

Construction characteristics

| | |
|----------------------------|--------------|
| Strength member | Central FRP |
| Construction type | Multibundle |
| Fiber optic type | SM (G657.A1) |
| Additional strength member | Glass yarn |
| Outer sheath | LSZH |
| Halogen free | IEC 60754-1 |
| Metal free | Yes |
| Colour | Black |

Dimensional characteristics

| | |
|---------------------------------|----------|
| Nominal outer diameter | 8.4 mm |
| Cable Diameter, range | - mm |
| Approximate weight | 77 kg/km |
| Number of optical fibres, range | - |
| Number of optical fibres | 96 |
| Number of tubes | 8 |

Mechanical characteristics

| | |
|-----------------------------------|---------------------|
| Maximum installation tension | 1750 N |
| Maximum permanent tensile load | 0.45 kN |
| 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 |
| Smoke density | IEC 61034-2 |
| Gases toxicity | IEC 60754-1 |
| U.V resistance | Very good |
| Water proof | Radial |
| Installation type | Indoor/Outdoor |
| Operating temperature, range | -20 - 60 °C |
| Storage temperature, range | -40 - 60 °C |
| Installation temperature, range | 0 - 40 °C |
| Minimum static operating bending radius | 120 mm |
| Laying operation bending radius | 150 mm |

SELLING AND DELIVERY INFORMATION

Standard Marking

Nexans - FIBRE OPTIC CABLE - MB LSZH Cca s1 d1 a1 SP1880 - XXxYY - FB - TN - metric

XX = Fibre Count
YY = Fibre Type

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FB = Frameries, Belgium (manufacturing place)

TN = Traceability Number