

Distribution - Microbundle cables Cca

MB LSZH 12x12SM G657A1 SP1880 BK (N)

Contact

Sales contact
contact.telecominfra@nexans.com

Nexans Ref.: 10543739

Multi Micro-bundles cable - 144 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 12 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.

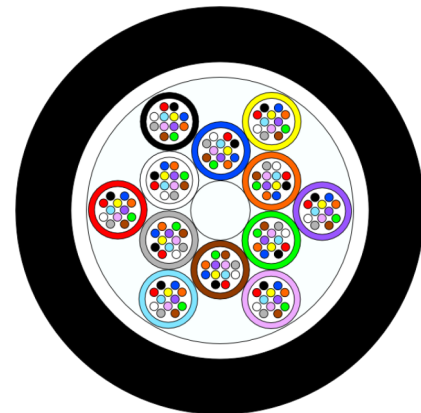
Technical performances

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	9.3 mm
Cable Diameter, range	- mm
Approximate weight	86 kg/km
Number of optical fibres, range	-
Number of optical fibres	144
Number of tubes	12

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	150 mm
Laying operation bending radius	200 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