

# Distribution - Microbundle cables Cca

MB LSZH 4x12SM G657A1 SP1880 BK

## Contact

Sales contact  
contact.telecominfra@nexans.com

Nexans Ref.: 10537788

Multi Micro-bundles cable - 48 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 4 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.

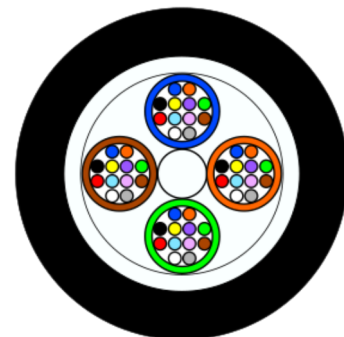
## Technical performances

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	5.9 mm
Cable Diameter, range	- mm
Approximate weight	35 kg/km
Number of optical fibres, range	-
Number of optical fibres	48
Number of tubes	4

### Mechanical characteristics

Maximum installation tension	1000 N
Maximum permanent tensile load	0.2 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	90 mm
Laying operation bending radius	120 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