

# Distribution - Microbundle cables Cca

MB LSZH 8X12SM G657A2 SP1880 IV

Multi Micro-bundles cable - up to 144 fibres

This multi micro-bundles cable is designed for indoor/outdoor usage and can be installed by pulling or blowing thanks to a low friction LSZH outersheath (typical blowing distance 500m)

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 max. 12 bundles of 12 fibres each. The design is reinforced by a layer of glass yarns and a LSZH\* sheath.

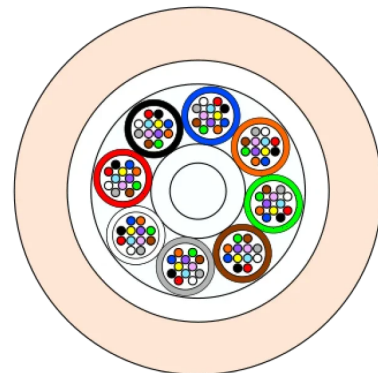
## Fibre type

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

## 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.



## STANDARDS

EN 50399  
IEC 60332-1  
IEC 60754-1  
IEC 60794  
IEC 61034  
NF C32-070/C2

# MB LSZH 8x12SM G657A2 SP1880 IV

## Characteristics

### Construction characteristics

Colour	Ivory
Fiber optic type	SM (G657.A2)
Outer sheath	LSZH
Halogen free	IEC 60754-1
Metal free	Yes
Strength member	Central FRP
Construction type	Multibundle
Additional strength member	Glass yarn

### Dimensional characteristics

Number of tubes	8
Approximate weight	77 kg/km
Number of optical fibres	96
Cable Diameter, range	5.9...9.3 mm
Number of optical fibres, range	12...144
Nominal outer diameter (mm)	8.4 mm

### Mechanical characteristics

Mechanical resistance to impacts	10 impacts of 1 N.m
Maximum permanent tensile load	0.45 kN
Crush resistance (IEC 60794-1-E3)	100 N/cm
Maximum installation tension	1750 N

### Usage characteristics

Operating temperature, range	-20...60 °C
Fire retardant	IEC 60332-3
Minimum static operating bending radius	120 mm
Flame retardant	IEC 60332-1
Smoke density	IEC 61034-2
U.V resistance	Very good
Storage temperature, range	-40...60 °C
Laying operation bending radius	150 mm

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Installation type	Indoor/Outdoor
Installation temperature, range	0..40 °C
Water proof	Radial

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