Railways - Multibundle K209 cables

MBC LSZH K209B 2X6 50/125 OM3 SP1344 BK

Aginode Ref: 10545733

Multi Micro-bundles cable with corrugated steel armour - 12 fibres 50x125 OM3

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

The corrugated steel armour provides a high rodent protection. This cable has an outstanding fire behaviour.

Access to µbundles is made easy with the internal ripcord.

This cable can be operated under a large temperature range.



This MBC LSZH* SP1344 cable has a central strength member (FRP: Fibre Reinforced Plastic), with 2 bundles around integrating 6 fibres each. The design is reinforced by a first layer of watertight glass, a LSZH* inner sheath, a second layer of watertight glass yarns, a corrugated steel armour and a LSZH* outer steath.

Fibre type

The MBC LSZH* SP1344 cable is available with singlemode 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.



STANDARDS

EN 50399 B2

IEC 60331-2

IEC 60332-1

IEC 60332-3

IEC 60754-1

IEC 60794

IEC 61034

NF C32-070/C1

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Page 1 / 4

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Euroclass

B2ca S1a a1 d0

* LSZH: Low Smoke Zero Halogen.

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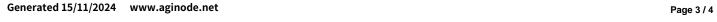
Page 2 / 4

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Characteristics

Construction characteristics	
Colour	Black
Fiber optic type	OM3 50/125
Armour type	Corrugated steel
Outer sheath	LSZH
Halogen free	IEC 60754-1
Material used for longitudinal water tightness	Swellable yarn
Metal free	No
Strength member	Central FRP
Construction type	Multibundle
Additional strength member	Glass yarn
Dimensional characteristics	
Number of tubes	2
Approximate weight	176 kg/km
Number of optical fibres	12
Nominal outer diameter	11.1 mm
Mechanical characteristics	
Mechanical resistance to impacts	10 impacts of 1 N.m
Maximum permanent tensile load	1.4 kN
Crush resistance (IEC 60794-1-E3)	300 N/cm
Maximum installation tension	2000 N
Usage characteristics	
Rodent protection	Corrugated steel tape
Operating temperature, range	-2060 °C
Fire retardant	IEC 60332-3
Minimum static operating bending radius	220 mm
Flame retardant	IEC 60332-1
Smoke density	IEC 61034-2

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U.V resistance	Good
Storage temperature, range	-2070 °C
Laying operation bending radius	275 mm
Installation type	Indoor/Outdoor
Installation temperature, range	-2060 °C
Water proof	Longitudinal & radial

Declaration of Performance

MBC LSZH K209B 2x6 50/125 OM3 SP1344 BK pdf — 120 KB Download ₹

Selling & delivery Information

Standard Marking

Aginode - FIBRE OPTIC CABLE - MBC LSZH SP1344 - XXxYY - FB - TN - metric XX = Fibre Count YY = Fibre Type FB = Frameries, Belgium (manufacturing place) TN = Traceability Number

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Page 4 / 4