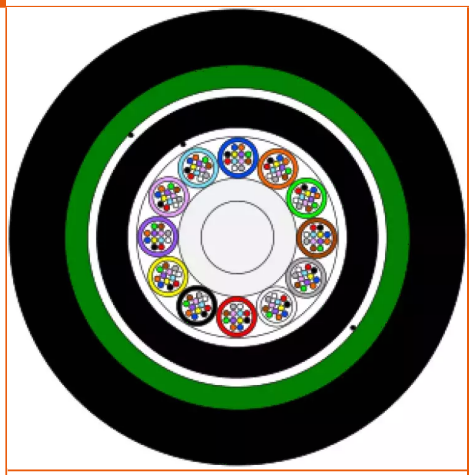
Railways - Multibundle K209 cables

MBC LSZH 1X6 50/125 OM3 SP1344 GR (K209/SYT)



Multi Micro-bundles cable with corrugated steel armour - 6 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.

Design

This MBC LSZH* SP1344 cable has a central strength member (FRP : Fibre Reinforced Plastic), with 1 bundle around integrating 6 fibres. 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.

Euroclass

B2^{ca} S1a a1 d0

STANDARDS

EN 50399 B2
IEC 60331-2
IEC 60332-1
IEC 60332-3
IEC 60754-1
IEC 60794
IEC 61034
NF C32-070/C1

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Aginode is indicative only and shall not be binding on Aginode or be treated as constituting a representation on the part of Aginode.

* LSZH: Low Smoke Zero Halogen.

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Characteristics

Construction characteristics	
Colour	Green
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	1
Approximate weight	176 kg/km
Number of optical fibres	6
Nominal outer diameter (mm)	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	-20...60 °C
Fire retardant	IEC 60332-3
Minimum static operating bending radius	220 mm
Flame retardant	IEC 60332-1
Smoke density	IEC 61034-2
U.V resistance	Good
Storage temperature, range	-20...70 °C

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Laying operation bending radius	275 mm
Installation type	Indoor/Outdoor
Installation temperature, range	-20...60 °C
Water proof	Longitudinal & radial

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