

Railways - Multibundle K209B cables

MBC K209B LSZH 24X12SM G657A2 SP1921 GY

Aginode Ref: 14500004

Multi Micro-bundles cable with corrugated steel armour - 144 fibres

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 μ bundles is made easy with the internal ripcord.

This cable can be operated under a large temperature range.

Design

The MBC LSZH SP1758 cable has a central strength member (FRP : Fibre Reinforced Plastic), with 12 bundles around integrating 12 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 sheath.

Fibre type

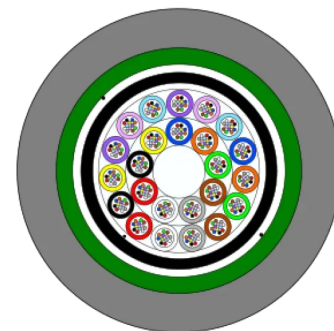
The MBC LSZH* SP1758 cable is available with singlemode.

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

Euroclass

B2^{ca} S1a a1 d0

* LSZH: Low Smoke Zero Halogen.

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Eigenschaften

Konstruktionsmerkmale

Farbe	grau
Fasertyp	SM (G657.A2)
Armierung	gewellter Stahl
Außenmantel	LSZH
Halogenfrei	IEC 60754-1
Verwendetes Material für Längswasserdichtigkeit	Quellfäden
Metallfrei	No
Zugentlastungselement	Central FRP
Leitungsaufbau	Multibundle
Additional strength member	Glass yarn

Abmessungsmerkmale

Anzahl der Bündel	24
Nettogewicht ca.	330 kg/km
Anzahl der optischen Fasern	288
Außendurchmesser, nom.	16.7 mm

Mechanische Eigenschaften

Mechanische Festigkeit gegen Schläge	3 impacts of 5 N.m
Maximalzulässige Dauerzuglast	3.4 kN
Querdruckwiderstand (IEC 794-1-E3)	200 N/cm
Maximale Zugspannung bei Installation	5700 N

Übertragungseigenschaften

Dämpfung, max. 1310 nm (verkabelt)	0.36 dB/1000m
Dämpfung, max 1550 MHz (verkabelt)	0.23 dB/1000m


Anwendungsmerkmale

Nagetierschutz	Corrugated steel tape
Betriebstemperatur	-30...60 °C
flammwidrig	IEC 60332-3

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Mindestbiegeradius bei statischem Einsatz	330 mm
Flammwidrig	IEC 60332-1
Rauchdichte	IEC 61034-2
UV Beständigkeit	Good
Lagertemperatur, Bereich	-30...70 °C
Biegeradius während Verlegung	420 mm
Art der Installation	Indoor/Outdoor
Umgebungstemperatur, Bereich	-5...60 °C
Wasserdicht	Längs- und quer-

Erklärung zur Leistung

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Verkauf & Lieferung Informationen

Standard Marking

Aginode - FIBRE OPTIC CABLE - MCB LSZH SP1758 - XXxYY - FB - TN - metric

XX = Fibre Count YY = Fibre Type FB = Frameries, Belgium (manufacturing place) TN = Traceability Number