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 µbundles is made easy with the internal ripcord.

This cable can be operated under a large temperature range.



STANDARDS

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

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 steath.

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.

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.

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

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