Railways - Multibundle K209B cables

MBC LSZH K209B 2X6SM G652D SP1344 BK

Aginode Ref: 10145800

Multi Micro-bundles cable with corrugated steel armour - 12 fibres SM G652D

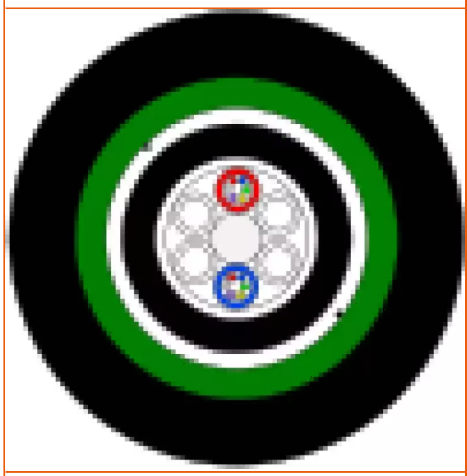


This multi micro-bundles cable is designed for indoor/outdoor installation in railways infrastructure.

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

The MBC LSZH* cable has a central strength member (FRP : Fibre Reinforced Plastic), with bundles (maximum 6 fibres per bundle) around. 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* cable is available with singlemode and multimode 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

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.

The sheathing material is compliant with ISO 4892-2 regarding the UV exposure.

The cable is compliant with the standard NFPA - IEEE1202&UL1685.

Euroclass

$B2^{ca}$ S1a a1 d0

* LSZH: Low Smoke Zero Halogen.

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Eigenschaften

Konstruktionsmerkmale	
Farbe	Schwarz
Fasertyp	SM (G.652D)
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	2
Nettogewicht ca.	176 kg/km
Anzahl der optischen Fasern	12
Außendurchmesser, nom.	11.1 mm
Mechanische Eigenschaften	
Mechanische Festigkeit gegen Schläge	10 impacts of 1 N.m
Maximalzulässige Dauerzuglast	1.4 kN
Querdruckwiderstand (IEC 794-1-E3)	300 N/cm
Maximale Zugspannung bei Installation	2000 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	-20...60 °C
flammwidrig	IEC 60332-3

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Mindestbiegeradius bei statischem Einsatz	220 mm
Flammwidrig	IEC 60332-1
Rauchdichte	IEC 61034-2
UV Beständigkeit	Good
Lagertemperatur, Bereich	-20...70 °C
Biegeradius während Verlegung	275 mm
Art der Installation	Indoor/Outdoor
Umgebungstemperatur, Bereich	-20...60 °C
Wasserdicht	Längs- und quer-

Erklärung zur Leistung

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Verkauf & Lieferung Informationen

Standard Marking

Aginode - FIBRE OPTIC CABLE - MBC LSZH SP1400 - XXxYY - FB - TN - metric
XX = Fibre Count YY = Fibre Type FB = Frameries, Belgium (manufacturing place) TN = Traceability Number

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