Railways - Multibundle K209 cables

MBC K209B LSZH 24X12SM G657A1 SP1921 BK



Aginode Ref: MBC K209B LSZH 18x12SM SM SP1921 BK

Multi Micro-bundles cable with corrugated steel armour - 288 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.

Design

The MBC LSZH SP1921 cable has a central strength member (FRP : Fibre Reinforced Plastic), with 24 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.

Technical performances

The multibundle cable performances are specified in the following tables.

Euroclass

$B2^{ca}$ S1a a1 d0

* LSZH: Low Smoke Zero Halogen.

STANDARDS

EN 50399 B2
IEC 60331-2
IEC 60332-1
IEC 60332-3
IEC 60754-1
IEC 60794
IEC 61034

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.

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Characteristics

구조적 특성	
색상	검은색
Fiber optic type	OS2
Armour type	크레이프 스틸
피복	저연 할로겐 프리
Halogen free	IEC 60754-1
Material used for longitudinal water tightness	팽창사
Metal free	No
Strength member	FRP 센터 보강재
구조	멀티 번들 튜브
Additional strength member	유리사
치수	
Number of tubes	18
무게(근사치)	330 kg/km
Number of optical fibres	192
Nominal outer diameter (mm)	16.7 mm
기계적 특성	
Mechanical resistance to impacts	3 impacts of 5 N.m
Maximum permanent tensile load	3.4 kN
Crush resistance (IEC 60794-1-E3)	200 N/cm
Maximum installation tension	5700 N
사용 특성	
Rodent protection	Corrugated steel tape
操作温度范围	-30...60 °C
Fire resistant	EN50200 PH120 or IEC60331-25**
Fire retardant	IEC 60332-3
Minimum static operating bending radius	330 mm
난연	IEC 60332-1

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U.V resistance	Good
Storage temperature, range	-30...70 °C
Laying operation bending radius	420 mm
Installation type	Indoor/Outdoor
Installation temperature, range	-5...60 °C
Water proof	Longitudinal & radial

성과 선언

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판매 및 배송 정보

Standard Marking

Aginode - FIBRE OPTIC CABLE - MBC LSZH SPxxxx - XXxYY - FB - TN - metric

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

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