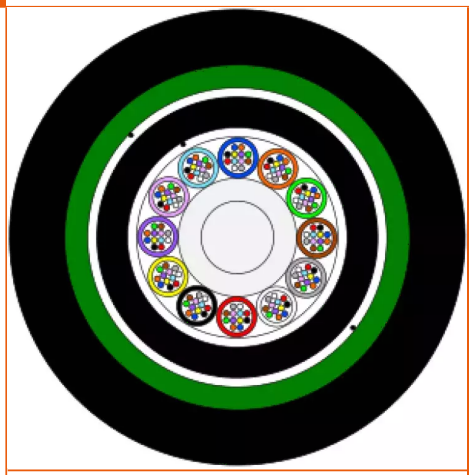
Railways - Multibundle K209 cables

MBC LSZH K209B 4X6SM + 4X6MM SP1400 BK



Aginode Ref: 10508928

Multi Micro-bundles cable with corrugated steel armour - 24 fibres G652D and 24 fibres G651 50/125

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* cable has a central strength member (FRP : Fibre Reinforced Plastic), with 8 bundles around integrating 6 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* 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.

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.

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.

MBC LSZH K209B 4x6SM + 4x6MM SP1400 BK

Characteristics

구조적 특성	
색상	검은색
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	8
무게(근사치)	190 kg/km
Number of optical fibres	48
Nominal outer diameter (mm)	12.5 mm
기계적 특성	
Mechanical resistance to impacts	10 impacts of 1 N.m
Maximum permanent tensile load	2 kN
Crush resistance (IEC 60794-1-E3)	300 N/cm
Maximum installation tension	3000 N
Transmission characteristics	
Attenuation, max. 1310 nm (cabled)	0.36 dB/1000m
Attenuation, max. 1550 nm (cabled)	0.23 dB/1000m
사용 특성	
Rodent protection	Corrugated steel tape
操作温度范围	-20...60 °C
Fire retardant	IEC 60332-3
Minimum static operating bending radius	300 mm

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.

난연	IEC 60332-1
연기밀도	IEC 61034-2
U.V resistance	Good
Storage temperature, range	-20...60 °C
Laying operation bending radius	350 mm
Installation type	Indoor/Outdoor
Installation temperature, range	-20...60 °C
Water proof	Longitudinal & radial

성과 선언

MBC LSZH K209B 4x6SM + 4x6MM SP1400 BK pdf — 120.11 KB 다운로드

판매 및 배송 정보

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

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.