

# 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  $\mu$ bundles 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 sheath.

## Technical performances

The multibundle cable performances are specified in the following tables.

## Euroclass

B2<sup>ca</sup> 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

# MBC K209B LSZH 24x12SM G657A1 SP1921 BK

## Characteristics

### 结构特性

颜色	黑
光纤类型	OS2
铠装类型	皱纹钢
外护套	低烟无卤
无卤	IEC 60754-1
长度水密封性所用材料	膨胀纱
不含金属	No
加强构件	FRP中心加强件
结构类型	多束管
额外加强件	玻璃纱

### 尺寸特性

管数	18
近似重量	330 kg/km
光纤数	192
标称外径	16.7 mm

### 机械特性

机械耐冲击性能	3次冲击/ N.M
最大长期拉力负载	3.4 kN
耐挤压 (IEC 794-1-E3)	200 N/cm
最大安装拉力	5700 N

### 使用特性

防啮齿保护	波纹钢带
操作温度, 范围	-30...60 °C
耐火	EN50200 PH120 or IEC60331-25**
阻燃	IEC 60332-3
最小弯曲半径 - 静态	330 mm
阻燃 - 火焰	IEC 60332-1

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抗UV	好
存储温度范围	-30...70 °C
敷设操作弯曲半径	420 mm
安装类型	室内/户外
Installation temperature, range	-5...60 °C
防水	纵向和径向

## 业绩声明

MBC K209B LSZH 24x12SM G657A1 SP1921 BK pdf — 119.68 KB [下载](#) ↓

## 销售和交付信息

## 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