Railways - Multibundle K209 cables

MBC K209B LSZH 24X6SM SP1921 BK



Multi Micro-bundles cable with corrugated steel armour

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 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.

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
NF C32-070/C1

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Characteristics

结构特性	
颜色	黑
光纤类型	SM
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	24
近似重量	330 kg/km
光纤数	144
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
传输特性	
成缆后最大衰减，1310nm	0.36 dB/1000m
成缆后最大衰减，1550nm	0.23 dB/1000m
使用特性	
防啮齿保护	波纹钢带
操作温度，范围	-30...60 °C
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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烟密度	IEC 61034-2
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

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