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CONTACT

Markets and Products Information
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FIRE RESISTANT DATA CABLES

Fostering innovation, Lynxéo designed FLAMEX® EN 50200 MVB, WTB and CAN BUS cables that can reach data transmission performances for Category 5E or 6A as described in the ISO/CEI 11801, showing no loss of data train and no drop of the transmission parameters when burnt. This unique fire performance is achievable thanks to our technology for fire resistant cables known as INFIT™. On top of the fire performances, this technology makes easier and faster the preparation and the connection of the wires with rolling stock connectors compared to older taping technologies.

STANDARDS

Produkt EN 50464-1; EN 45545-2 (HL3)

Tests EN 50200

DESIGN

1. Conductor

Stranded tinned copper (metric or AWG sizes)

2. Insulation

Special halogen-free INFIT™ fire proof material
 Quad or Pairs assemblies

3. Screen

Tinned copper braid
 Separator tape

4. Outer sheath

Cross-linked material EM 104 or EM 101 acc. EN 50264-1
 Oil, diesel, ozone and UV resistant
 Colour: red

Example of marking: FLAMEX 239 - ...

ADDITIONAL INFORMATION

- Fire resistant acc. to:
 - EN 50200 PH 30-60 tested under 110 V
 - EN 50200 PH 90 Ethernet frame loss and transmission parameter
- Bending radius:
 - Static use: 8 x outer cable diameter
 - For installation and occasional movements: 10 x outer cable diameter



Leiterflexibilität
-



Halogenfrei
EN 60754-1 & EN 60684-2



Feuerbeständig
EN 50200 PH90



Flammwidrig
EN 60332-1-2



Flammwidrig
EN IEC 60332-3-24 (cat C); EN IEC 60332-3-25 (EN50305)



Rauchdichte
EN/IEC 61034-2



Toxizität der (Brand-)Gase
EN 50305-9.2



Elektromagnetisch geschirmt
Ja

CHARACTERISTICS**Konstruktionsmerkmale**

Leitermaterial	-
Leitungsaufbau	4x0,5
Leiterflexibilität	-
Mantelfarbe	Rot
Außenmantel	Cross-linked compound
Halogenfrei	EN 60754-1 & EN 60684-2
Kabeltype	MVB
Schirm	

Abmessungsmerkmale

Kerndurchmesser	3,4 mm
Min. Kabeldurchmesser	10,8 mm
Max. Kabeldurchmesser	11,2 mm
Nettogewicht ca.	135 kg/km

Elektrische Eigenschaften

Wellenwiderstand	120 Ohm
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Anwendungsmerkmale

Feuerbeständig	EN 50200 PH90
Flammwidrig	EN 60332-1-2
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Rauchdichte	EN/IEC 61034-2
Toxizität der (Brand-)Gase	EN 50305-9.2
Elektromagnetisch geschirmt	Ja