



CONTACT

Markets and Products Information
 rollingstock.business@lynxeogroup.com

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 INFITM. 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

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

Test EN 50200

DESIGN

1. Conductor

Stranded tinned copper (metric or AWG sizes)

2. Insulation

Special halogen-free INFITM 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



导线柔软度
柔软绞和



无卤
EN 60754-1 & EN 60684-2



耐火
EN 50200 PH90



阻燃 - 火焰
EN 60332-1-2



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



烟密度
EN/IEC 61034-2



气体毒性
EN 50305-9.2



抗电磁干扰
是

CHARACTERISTICS

结构特性

导体材料	Tin plated copper
导线柔软度	柔软绞和
外护套	Cross-linked compound
无卤	EN 60754-1 & EN 60684-2

使用特性

耐火	EN 50200 PH90
阻燃 - 火焰	EN 60332-1-2
阻燃	EN IEC 60332-3-24 (cat C); EN IEC 60332-3-25 (EN50305)
烟密度	EN/IEC 61034-2
气体毒性	EN 50305-9.2
抗电磁干扰	是

FLAMEX® FIRE RESISTANT MVB

Reference	Country Ref.	结构类型	Core diameter [mm]	Min. cable diam. [mm]	Max. cable diam. [mm]	Approx. weight [kg/km]
2PM599	2PM599	1x2x0,5	3.7	9.5	10	122
10282384	2PM600	4x0,5	3.4	10.8	11.2	135

FLAMEX® FIRE RESISTANT WTB

Reference	Country Ref.	结构类型	Core diameter [mm]	Min. cable diam. [mm]	Max. cable diam. [mm]	Approx. weight [kg/km]
10282314	2PM601	1x2x0,75	4.5	11.3	11.7	160

FLAMEX® FIRE RESISTANT CAN BUS

Reference	Country Ref.	结构类型	Core diameter [mm]	Min. cable diam. [mm]	Max. cable diam. [mm]	Approx. weight [kg/km]
13117047	2PN347	1x2x0,5 + 1x0,5	3.8	9.8	10.2	125