



**Reference:** 13117047  
**Country Ref.:** 2PN347

### 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

**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 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



Flessibilità del conduttore  
-



Senza alogeno  
EN 60754-1 & EN 60684-2



Resistenza al fuoco  
EN 50200 PH90



Ritardante la fiamma  
EN 60332-1-2



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



Densità fumo  
EN/IEC 61034-2



Tossicità gas  
EN 50305-9.2



Resistenza ad interferenza elettromagnetica  
SI

**CHARACTERISTICS****Caratteristiche costruttive**

Materiale del conduttore	-
Costruzione	1x2x0,5 + 1x0,5
Flessibilità del conduttore	-
Colore della guaina esterna	Rosso
Guaina esterna	Mescola reticolata
Senza alogeno	EN 60754-1 & EN 60684-2
Schermo	
Tipo di cavo	CAN BUS

**Caratteristiche dimensionali**

Diametro dell'anima	3,8 mm
Minimum cable diameter	9,8 mm
Maximum cable diameter	10,2 mm
Peso approssimativo del cavo	125 kg/km

**Caratteristiche elettriche**

Impedenza	120 Ohm
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**Caratteristiche d'utilizzo**

Resistenza al fuoco	EN 50200 PH90
Ritardante la fiamma	EN 60332-1-2
Fuoco ritardante	EN IEC 60332-3-24 (cat C); EN IEC 60332-3-25 (EN50305)
Densita' fumo	EN/IEC 61034-2
Tossicità gas	EN 50305-9.2
Resistenza ad interferenza elettromagnetica	Si