



Reference: 10122456
Country Ref.: 2PI096

CONTACT

Markets and Products Information
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COMMUNICATION CABLES

FLAMEX® PROFIBUS 150 Ω and CAN BUS 120 Ω cables are designed to improve the protection against electrical disturbances, electromagnetic noises.

STANDARDS

Product EN 45545-2 (HL3); EN 50264-1

DESIGN

1. Conductor

Stranded tinned copper

2. Insulation

Foam polyethylene

3. Screen

Tinned copper braid
Separator tape

4. Outer sheath

Cross-linked material EM 104 and EM 101 acc. EN 50264-1
Oil, diesel, ozone and UV resistant
Colour: black for CAN BUS, purple for PROFIBUS

Example of marking: FLAMEX 239 - EDE 2PI096 - 2x0.5 mm² + 1x0.5 mm² - CAN BUS
RS485 - 120 OHM - EM 104 - week/year - Batch number

GUIDE TO USE

- Bending radius:
 - Static use: ... x outer cable diameter
 - For installation and occasional movements: ... x outer cable diameter



Conductor flexibility
-



Halogen free
EN 60754-1 & EN 60684-2



Flame retardant
EN 60332-1-2



Fire retardant
EN IEC 60332-3-25
(cat D)



Smoke density
EN/IEC 61034-2



Gases toxicity
EN 50305-9.2



Minimum operating
temperature
-40 °C



Electro magnetic
interference
resistance
Yes

CHARACTERISTICS**Construction characteristics**

Type of cable	CAN BUS
Conductor material	Tin plated copper
Construction type	2 x 0.50 ² + 1 x 0.50 ²
Conductor flexibility	-
Sheath colour	Black
Core identification	Red/Blue + Black
Outer sheath	Cross-linked compound
Halogen free	EN 60754-1 & EN 60684-2

Dimensional characteristics

Nominal outer diameter	6.8 mm
Approximate weight	62 kg/km

Usage characteristics

Flame retardant	EN 60332-1-2
Fire retardant	EN IEC 60332-3-25 (cat D)
Smoke density	EN/IEC 61034-2
Gases toxicity	EN 50305-9.2
Minimum operating temperature	-40 °C
Electro magnetic interference resistance	Yes
Chemical resistance	Good