



CONTACT

Markets and Products Information
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COMMUNICATION CABLES

FLAMEX® PROFIBUS 150 and CAN BUS 120 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



EN 60332 - 1 - 2



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



EN/IEC 61034 - 2



가
 EN 50305 - 9.2



Electro magnetic interference resistance
 Yes



Chemical resistance
 Good

CHARACTERISTICS

Conductor flexibility	Tin plated copper
Halogen free	Cross - linked compound EN 60754 - 1 & EN 60684 - 2
Fire retardant	EN 60332 - 1 - 2 EN IEC 60332 - 3 - 25 (cat D) EN/IEC 61034 - 2
가	EN 50305 - 9.2
Electro magnetic interference resistance	Yes
Chemical resistance	Good

FLAMEX® CAN BUS 120

Reference	Country Ref.	Core identification	Nom. outer diam. [mm]	([kg/km])	Minimum operating temperature [° C]	Sheath colour
10122456	2PI096	2 x 0.50 ² + 1 x 0.50 ²	Red/Blue + Black	6.8	62	- 40
10211762	2PK478	2 x 0.50 ² + 1 x 0.50 ²	Red/Blue + Black	6.8	70	- 25

FLAMEX® PROFIBUS 150

Reference	Country Ref.	Core identification	Nom. outer diam. [mm]	([kg/km])	Minimum operating temperature [° C]	Sheath colour
10200654	2PJ623	2 x 0.34 ²	White, Pink	8.0	82	- 40 Purple
10064161	2PF164	2 x 0.34 ²	White, Pink	8.0	82	- 25 Purple