



Reference: 10191555
Country Ref.: 2PE993

CONTACT

Markets and Products Information
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COMMUNICATION CABLES

FLAMEX® MVB cables are intended for Train Communication Network. They connect individual nodes within a vehicle or closed train. FLAMEX® MVB cables 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 or EM 101 acc. EN 50264-1
Oil, diesel, ozone and UV resistant
Colour: turquoise

Example of marking: 300V - 4x0.5mm² M S - QUADRAX 120 OHMS - FLAMEX 239
- EDE 2PK697 - week/year - batch number

GUIDE TO USE

- Bending radius:
 - Static use: 5 x outer cable diameter
 - For installation and occasional movements: 10 x outer cable diameter



Conductor flexibility
-



Halogen free
EN 60754-1 & EN 60684-2



Flame retardant
IEC/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



Electro magnetic interference resistance
Yes



Minimum operating temperature
-25 °C

CHARACTERISTICS**Construction characteristics**

Type of cable	MVB
Construction type	4 x 0.50 ²
Conductor material	Tin plated copper
Conductor flexibility	-
Core identification	White/Yellow + Red/Black
Outer sheath	Cross-linked compound
Halogen free	EN 60754-1 & EN 60684-2
Sheath colour	Turquoise

Dimensional characteristics

Nominal outer diameter	8.0 mm
Approximate weight	86 kg/km

Usage characteristics

Flame retardant	IEC/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
Electro magnetic interference resistance	Yes
Minimum operating temperature	-25 °C
Chemical resistance	Good