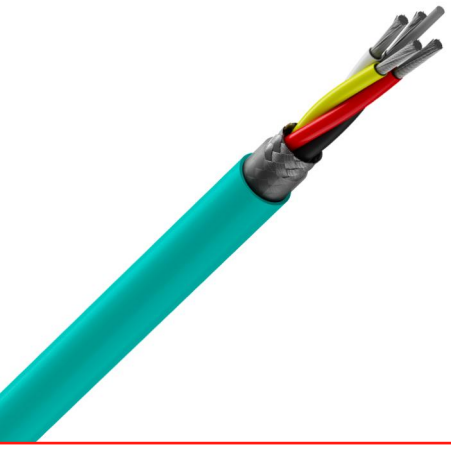
FLAMEX® MULTIFUNCTION VEHICLE BUS 120 Ω (MVB)



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
Flexible stranded

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

Chemical resistance
Good

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynxeo is indicative only and shall not be binding on Lynxeo or be treated as constituting a representation on the part of Lynxeo.

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CHARACTERISTICS

Construction characteristics	
Conductor material	Tin plated copper
Conductor flexibility	Flexible stranded
Outer sheath	Cross-linked compound
Halogen free	EN 60754-1 & EN 60684-2
Sheath colour	Turquoise
Dimensional characteristics	
Nominal outer diameter	8.0 mm
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
Chemical resistance	Good

FLAMEX® MVB 120 Ω

Reference	Country Ref.	Construction type	Core identification	Nom. outer diam. [mm]	Approx. weight [kg/km]	Minimum operating temperature [°C]
10089966	2PF580	2 x 0.50²	Black, White	8.0	84	-40
10211790	2PK596	2 x 0.50²	Black, White	8.0	84	-25
10218773	2PK697	4 x 0.50²	White/Yellow + Red/ Black	8.0	86	-40
10191555	2PE993	4 x 0.50²	White/Yellow + Red/ Black	8.0	86	-25

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