



Reference: 10089966

Country Ref.: 2PF580

#### CONTACT

Markets and Products Information  
rollingstock.business@lynxgroup.com

## 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 - 4x0.5mm<sup>2</sup> 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  
-40 °C

**CHARACTERISTICS****Construction characteristics**

Type of cable	MVB
Construction type	2 x 0.50 <sup>2</sup>
Conductor material	Tin plated copper
Conductor flexibility	-
Core identification	Black, White
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	84 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	-40 °C
Chemical resistance	Good