



CONTACT

Markets and Products Information
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COMMUNICATION CABLES

FLAMEX® WTB cables are intended for Train Communication Network to connect the different vehicles. They 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 or EM 101 acc. EN 50264-1
 Oil, diesel, ozone and UV resistant
 Colour: black or turquoise

Example of marking: FLAMEX 239 - EDE 2PF578 - 2x0.75 mm² 120 OHMS - 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
 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

CHARACTERISTICS**Construction characteristics**

Conductor material	Tin plated copper
Conductor flexibility	Flexible stranded
Construction type	2 x 0.75 ²
Core identification	Black, White
Outer sheath	Cross-linked compound
Halogen free	EN 60754-1 & EN 60684-2

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
Electro magnetic interference resistance	Yes
Chemical resistance	Good

FLAMEX® WTB 120 Ω

Reference	Country Ref.	Nom. outer diam. [mm]	Approx. weight [kg/km]	Minimum operating temperature [°C]	Sheath colour
10097859	2PF578	8.2	87	-40	Black
10211786	2PK595	8.5	92	-25	Turquoise