



Reference: 10211786
Country Ref.: 2PK595

CONTACT

Markets and Products Information
 rollingstock.business@lynxeogroup.com

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



Minimum operating temperature
-25 °C



Electro magnetic interference resistance
Yes

CHARACTERISTICS**Construction characteristics**

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

Dimensional characteristics

Nominal outer diameter	8.5 mm
Approximate weight	92 kg/km

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
Minimum operating temperature	-25 °C
Electro magnetic interference resistance	Yes
Chemical resistance	Good