



### CONTACT

Markets and Products Information  
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### MEDIUM VOLTAGE ROOF CABLES

For inside and outside use in railway vehicles. Installation in cable ducts or tubes. Available on request: HV loop, completely pre-assembled flexible cables with plugs and sealing ends, electrically tested.

### STANDARDS

Product EN 45545-2 (HL3); EN 50264-1; IEC 60502

### DESIGN

1. Conductor: Flexible stranded tinned copper, class 5 acc. to IEC 60228
2. Inner semi-conductive layer: Conductive rubber
3. Insulation: Cross-linked compound type EI 110 acc. to EN 50264-1
4. Outer conductive layer: Conductive rubber easy to strip
5. Screen: Conductive tape + tinned single wires with separator
6. Outer sheath: Cross-linked compound type EM104 acc. to EN 50264-1. Oil, diesel, ozone and UV resistant. Colour: black

Example of cable marking: FLAMEX PANTO - LEAD FREE - 1x [conductor nominal cross section] / [geometrical screen cross-section] 26/45kV I LYNXEO I WEEK/YEAR batch-no

### GUIDE TO USE

- Cabling rules are given in EN 50343 and EN 50355
- Bending radius:
  - Static use: 5 x outer cable diameter
  - For installation and occasional movements: 10 x outer cable diameter



导线柔软度  
柔软等级5



无卤  
EN 60754-1 & EN 60684-2



额定电压U<sub>0</sub>/U  
26 / 45 kV



阻燃 - 火焰  
EN 60332-1-2



阻燃  
IEC 60332-3-24  
(cat C)



烟密度  
EN/IEC 61034-2



气体毒性  
EN 50305-9.2



操作温度  
-40 ... 90 ° C

## CHARACTERISTICS

## 结构特性

导体材料	Tin plated copper
导线柔软度	柔软等级5
绝缘	Cross-linked compound
屏蔽	Tin plated copper wires
外护套	Cross-linked compound
无卤	EN 60754-1 & EN 60684-2

## 电气特性

额定电压U <sub>0</sub> /U	26 / 45 kV
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## 使用特性

阻燃 - 火焰	EN 60332-1-2
阻燃	IEC 60332-3-24 (cat C)
烟密度	EN/IEC 61034-2
气体毒性	EN 50305-9.2
操作温度范围	-40 ... 90 ° C
耐油	是
Ozone resistance	是
抗UV	是

## PRODUCTS LIST

Reference Name	Cross section [mm <sup>2</sup> ]	Screen section [mm <sup>2</sup> ]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
79477908 FLAMEX® PANTO LEAD-FREE 50mm <sup>2</sup>	50	16	34.0	36.0	2100
79477912 FLAMEX® PANTO LEAD-FREE 95mm <sup>2</sup>	95	16	40.0	42.0	2500
79477916 FLAMEX® PANTO LEAD-FREE 150mm <sup>2</sup>	150	16	41.0	43.0	3200
79477918 FLAMEX® PANTO LEAD-FREE 185mm <sup>2</sup>	185	25	42.0	44.0	3600
79477919 FLAMEX® PANTO LEAD-FREE 240mm <sup>2</sup>	240	25	45.0	48.0	4300