



Reference: 79466353

**CONTACT**Markets and Products Information  
rollingstock.business@lynxeogroup.com**SHIELDED MULTICORES POWER CABLES**

FLAMEX® EN 50264-3-2 600V MMS multicores shielded power and control cables are used for protected installations where enhanced electrical screening (EMC) is required. This product range is recommended for installations and connections in narrow spaces where an optimal bending radius is required. FLAMEX® cables are designed to withstand tough working conditions (oil, ozone, temperature variation, etc.). 120° C conductor temperature is allowed for a 20,000 hours cumulative working time.

**STANDARDS**

Product EN 50264-3-2; EN 45545 - HL3; IEC 60228

**DESIGN****1. Conductor**

Flexible stranded tinned copper class 5 acc. to IEC 60228  
Optional halogen-free separator tape

**2. Insulation**

Cross-linked compound type EI 109 acc. to EN 50264-1  
Colour: black (or green/yellow if cable type is G)  
Assembly (option): halogen free foil could be served

**3. Screen**

Copper wire braid acc. to EN 50264-3-2, halogen-free separator

**4. Outer sheath**

Cross-linked compound type EM 104 acc. to EN 50264-1  
Oil, diesel, ozone and UV resistant  
Colour: black

Example of marking: FLAMEX EN 50264-3-2 600V n X (or G) ... (mm<sup>2</sup>) MM S (N)  
HXCSLOE I LYNXEO I WW-YYYY

**GUIDE TO USE**

- Cabling rules are given in EN 50343 and EN 50355
- Permissible current carrying capacities: values and calculation method are given in EN 50343
- Bending radius:
  - Static use: 4 x outer cable diameter
  - For installation and occasional movements: 8 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  
0.6/ 1 (1.2) kV阻燃 - 火焰  
EN 60332-1-2阻燃  
EN IEC 60332-3-24  
(cat C); EN IEC  
60332-3-25  
(EN50305)烟密度  
EN/IEC 61034-2气体毒性  
EN 50305-9.2抗电磁干扰  
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## 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	镀锡铜编织
外护套	Cross-linked compound
无卤	EN 60754-1 & EN 60684-2
有绿/黄芯线	无

## 尺寸特性

芯线数	3
导线截面	2.5 mm <sup>2</sup>
外径最小值	9.5 mm
Maximum outer diameter	10.4 mm
近似重量	149 kg/km
导线直径	- mm

## 电气特性

额定电压U <sub>0</sub> /U	0.6/ 1 (1.2) kV
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## 使用特性

阻燃 - 火焰	EN 60332-1-2
阻燃	EN IEC 60332-3-24 (cat C); EN IEC 60332-3-25 (EN50305)
烟密度	EN/IEC 61034-2
气体毒性	EN 50305-9.2
抗电磁干扰	-
操作温度范围	-40 ... 90 ° C
芯线最高静止温度	90 ° C
Overload maximum core temperature	- ° C
耐化学物质	优异
Ozone resistance	是
抗UV	是
短路最高线芯温度	200 ° C