



Reference: 79463831

## CONTACT

Markets and Products Information  
rollingstock.business@lynxéogroup.com

## SHIELDED SINGLE CORE POWER CABLES

FLAMEX® EN 50264-3-1 3600V MMS shielded power 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 50264-3-1; 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 grey
3. Screen  
Halogen-free foil, tinned copper wire braid, 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 50264-3-1 3600V (mm<sup>2</sup>) MM (N)SHXAFCOE 3.6/6 kV | LYNXEO | 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: 5 x outer cable diameter (6 x D if D > 10mm)
  - 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  
3.6 / 6 (7.2) kV



阻燃 - 火焰  
IEC 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  
是

## 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

## 尺寸特性

导线截面	300 mm <sup>2</sup>
外径最小值	33.9 mm
Maximum outer diameter	34.9 mm
近似重量	3460 kg/km
编织截面	25 mm <sup>2</sup>
芯线数	1

## 电气特性

额定电压U <sub>0</sub> /U	3.6 / 6 (7.2) kV
-----------------------	------------------

## 使用特性

阻燃 - 火焰	IEC 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	是
操作温度范围	-40 ... 90 ° C
芯线最高静止温度	90 ° C
Overload maximum core temperature	120 ° C
耐化学物质	优异
Ozone resistance	是
抗UV	是
Fire load	3 kWh/m
短路最高线芯温度	200 ° C