



Reference: 79463124

### CONTACT

Markets and Products Information  
rollingstock.business@lynxeogroup.com

## SHEATHED SINGLE CORE POWER CABLES

FLAMEX® EN 50264-3-1 1800V MM power cables are used for fixed and protected installations. This product range is recommended for 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 50264-1.  
Colour: grey

#### 3. Sheath

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

Example of marking: FLAMEX EN 50264-3-1 1800V (mm<sup>2</sup>) MM NSHXAF0E 1.8/3 kV 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:
  - o Static use: 3 x outer cable diameter (5 x D if D>10mm)
  - o For installation and occasional movements: 6 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  
1.8 / 3 (3.6) 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



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
外护套	Cross-linked compound
无卤	EN 60754-1 & EN 60684-2

## 尺寸特性

导线截面	50 mm <sup>2</sup>
外径最小值	14.6 mm
Maximum outer diameter	15.6 mm
近似重量	600 kg/km
导线直径	- mm

## 电气特性

额定电压U <sub>0</sub> /U	1.8 / 3 (3.6) kV
-----------------------	------------------

## 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
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