



Reference: 79463724

## CONTACT

Markets and Products Information  
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## 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:
  - Static use: 3 x outer cable diameter (5 x D if D>10mm)
  - 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                   | 240 mm <sup>2</sup> |
| 外径最小值                  | 27.9 mm             |
| Maximum outer diameter | 29.3 mm             |
| 近似重量                   | 2500 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   |