



### SINGLE CORE POWER CABLES

FLAMEX® EN 50264-3-1 600V M 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

Reference: 79462501

### CONTACT

Markets and Products Information  
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Conductor flexibility  
Flexible class 5



Halogen free  
EN 60754-1 & EN 60684-2



Rated Voltage U<sub>0</sub>/U  
(U<sub>m</sub>)  
0.6/ 1 (1.2) kV



Flame retardant  
IEC 60332-1-2



Fire retardant  
EN IEC 60332-3-24  
(cat C); EN IEC 60332-3-25  
(EN50305)



Smoke density  
EN/IEC 61034-2



Gases toxicity  
EN 50305-9.2



Operating temp.  
-40 ... 90 °C

**CHARACTERISTICS****Construction characteristics**

|                       |                         |
|-----------------------|-------------------------|
| Conductor material    | Tin plated copper       |
| Conductor flexibility | Flexible class 5        |
| Insulation            | Cross-linked compound   |
| Halogen free          | EN 60754-1 & EN 60684-2 |

**Dimensional characteristics**

|                         |                   |
|-------------------------|-------------------|
| Conductor cross-section | 4 mm <sup>2</sup> |
| Minimum outer diameter  | 3.9 mm            |
| Maximum outer diameter  | 4.3 mm            |
| Approximate weight      | 44 kg/km          |
| Conductor diameter      | - mm              |

**Electrical characteristics**

|   |                 |
|---|-----------------|
| Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> ) | 0.6/ 1 (1.2) kV |
|---|-----------------|

**Usage characteristics**

|  |  |
|--|--|
| Flame retardant                          | IEC 60332-1-2  |
| Fire retardant                           | EN IEC 60332-3-24 (cat C); EN IEC 60332-3-25 (EN50305) |
| Smoke density                            | EN/IEC 61034-2   |
| Gases toxicity                           | EN 50305-9.2   |
| Operating temperature, range             | -40 ... 90 °C  |
| Max. conductor temperature in service    | 90 °C  |
| Overload maximum core temperature        | - °C   |
| Chemical resistance                      | Good   |
| Ozone resistance                         | Yes  |
| U.V resistance                           | Yes  |
| Short-circuit max. conductor temperature | 200 °C   |