FLAMEX® FR TYPE EN 50264-3-1 600V

FLAMEX EN50264-3-1 FR (N)MHXAF 0,6/1kV 1x10

Reference: 79462714

CONTACT

Markets and Products Information
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FIRE RESISTANT POWER CABLES

FLAMEX® EN50264-3-1 FR flexible power cables maintain circuit integrity in case of fire (according to EN 50200 for 90 minutes) and are fire retardant, low smoke and halogen-free safisfying performance requirements of EN 45545-2-HL3. On top of that, FLAMEX® cables withstand tough working conditions (oil, ozone, temperature variations, etc.).

STANDARDS

Product EN 50264-3-1; EN 45545 - HL3; IEC 60228

Test EN 50200; IEC 60331-1 or 2

DESIGN

1. Conductor
Flexible stranded tinned copper, class 5 acc. to IEC 60228
Mineral tape

2. Insulation
Cross-linked compound type EI 109 acc. to EN 50264-1
Oil, diesel, ozone and UV resistant
Colour: black

Example of marking: FLAMEX type EN 50264-3-1 FR 600 V mm² M (N)MHXAF-FR 0,6/1kV 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 if D ≤ 10mm / 5 x outer cable diameter if D > 10mm
  - For installation and occasional movements: 10 x outer cable diameter

Conductor flexibility
Flexible class 5

Halogen free
EN 60754-1 & EN 60684-2

Rated Voltage Uo/U (Um)
0.6/ 1 (1.2) kV

Fire resistant
IEC 60331-1 or -2

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

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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
Insulation colour	Black
Dimensional characteristics	
Conductor cross-section	10 mm²
Minimum outer diameter	6.1 mm
Maximum outer diameter	6.5 mm
Approximate weight	110 kg/km
Conductor diameter	- mm
Electrical characteristics	
Rated Voltage Uo/U (Um)	0.6/ 1 (1.2) kV
Usage characteristics	
Fire resistant	IEC 60331-1 or -2
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	120 °C
Chemical resistance	Good
Ozone resistance	Yes
U.V resistance	Yes
Short-circuit max. conductor temperature	200 °C