FLAMEX® FR TYPE EN 50264 - 3 - 1 1800V

FLAMEX TYPE EN 50264 - 3 - 1 FR 1800V 1x50 ^{2}

Reference: 79471438

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

Examples of marking:
FLAMEX HXAFOE FR 1,8/3 kV EN 50264 - 3 - 1 1800 V (mm ^{2}) OM I LYNXEO I WW - YYYY or FLAMEX 4GKW - EN FR 1,8/3 kV EN 50264 - 3 - 1 1800 V (mm ^{2}) OM 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
소프트 레벨 5

Halogen free
EN 60754 - 1 & EN 60684 - 2

정격전압 Uo/U (Um)
1.8 / 3 (3.6) kV

Fire resistant
IEC 60331 - 1 or - 2

난연
EN 60332 - 1 - 2

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

연기밀도
EN/IEC 61034 - 2

유독가스
EN 50305 - 9.2

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CHARACTERISTICS

구조적 특성	
도체 재료	Tin plated copper
Conductor flexibility	소프트 레벨 5
Halogen free	EN 60754 - 1 & EN 60684 - 2
절연	Cross - linked compound
Insulation colour	Black
치수	
도체 단면적	50 mm ^{2}
Minimum outer diameter	13.9 mm
Maximum outer diameter	14.5 mm
무게(근사치)	550 kg/km
코어수	1
전기적 특성	
정격전압 Uo/U (Um)	1.8 / 3 (3.6) kV
Maximum operating voltage	2.7 kV
사용 특성	
Fire resistant	IEC 60331 - 1 or - 2
난연	EN 60332 - 1 - 2
Fire retardant	EN IEC 60332 - 3 - 24 (cat C); EN IEC 60332 - 3 - 25 (EN50305)
연기밀도	EN/IEC 61034 - 2
유독가스	EN 50305 - 9.2
操作度范	- 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
Fire load	0.6 kWh/m