FLAMEX® EN 50264 - 3 - 1 MMS 1800V

FLAMEX EN 50264 - 3 - 1 1800V 10 MMS

Reference: 79462722

CONTACT

Markets and Products Information
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SHIELDED SINGLE CORE POWER CABLES

FLAMEX® EN 50264 - 3 - 1 1800V MMS shielded power cables are used for protected installations where enhanced electrical screening (EMC) is required. This product range is recommended for installations and connections in 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 EN 50264 - 1

3. Screen
   Halogen - free foil, tinned copper wire braid, halogen - free separator

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

Example of marking: FLAMEX EN 50264 - 3 - 1 1800V (mm ²) MM S (N) SHXAFCOE 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: 5 x outer cable diameter (6 x D if D > 10mm)
  - For installation and occasional movements: 10 x outer cable diameter

Conductor flexibility	Halogen free	정격전압 Uo/U (Um)	난연	Fire retardant	연기밀도	유독가스	Electro magnetic interference resistance
소프트 레벨 5	EN 60754 - 1 & EN 60684 - 2	1.8 / 3 (3.6) kV	EN 60332 - 1 - 2	EN IEC 60332 - 3 - 24 (cat C); EN IEC 60332 - 3 - 25 (EN50305)	EN/IEC 61034 - 2	EN 50305 - 9.2	Yes

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CHARACTERISTICS

구조적 특성	
도체 재료	Tin plated copper
Conductor flexibility	소프트 레벨 5
절연	Cross - linked compound
스크린	주석 도금 구리 브레이드
피복	Cross - linked compound
Halogen free	EN 60754 - 1 & EN 60684 - 2
치수	
도체 단면적	10 mm ²
Minimum outer diameter	10.1 mm
Maximum outer diameter	10.7 mm
Braid section	6 mm ²
무게(근사치)	208 kg/km
코어수	1
전기적 특성	
정격전압 Uo/U (Um)	1.8 / 3 (3.6) kV
사용 특성	
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
Electro magnetic interference resistance	Yes
操作度范	- 40 ... 90 ° C
Max. conductor temperature in service	- ° C
Overload maximum core temperature	- ° C
Chemical resistance	Excellent
Ozone resistance	Yes
U.V resistance	Yes
Fire load	0.35 kWh/m
Short - circuit max. conductor temperature	200 ° C