



Reference: 79463130

CONTACT

Markets and Products Information
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SHEATHED SINGLE CORE POWER CABLES

FLAMEX® EN 50264 - 3 - 1 3600V 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
Conductor screen
2. Insulation
Cross - linked compound type EI 109 acc. to EN 50264 - 1
Colour: grey
3. 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 3600V (mm²) MM
NSHXAFOE 3.6/6kV | LYNXEO | 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: 4 x outer cable diameter (5 x D if D > 10mm)
 - For installation and occasional movements: 10 x outer cable diameter



Conductor flexibility
5



Halogen free
EN 60754 - 1 & EN 60684 - 2



Uo/U
(Um)
3.6 / 6 (7.2) kV



EN 60332 - 1 - 2



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



EN/IEC 61034 - 2



가
EN 50305 - 9.2



Operating temp.
- 40 ... 90 °C

CHARACTERISTICS

| | | |
|--|--|--|
| Conductor flexibility | Tin plated copper | |
| | 5 | |
| Halogen free | Cross - linked compound | |
| | Cross - linked compound | |
| | EN 60754 - 1 & EN 60684 - 2 | |
| Minimum outer diameter Maximum outer diameter () | 50 mm ² | |
| | 17.5 mm | |
| | 18.1 mm | |
| | 650 kg/km | |
| U _o /U (U _m) | - mm | |
| | 3.6 / 6 (7.2) kV | |
| Fire retardant | EN 60332 - 1 - 2 | |
| | EN IEC 60332 - 3 - 24 (cat C); EN IEC 60332 - 3 - 25 (EN50305) | |
| 가 操作度范 | EN/IEC 61034 - 2 | |
| | EN 50305 - 9.2 | |
| Max. conductor temperature in service | - 40 ... 90 ° C | |
| Overload maximum core temperature | 90 ° C | |
| Chemical resistance | - ° C | |
| Ozone resistance | Excellent | |
| U.V resistance | Yes | |
| Short - circuit max. conductor temperature | Yes | |
| | 200 ° C | |