



Reference: 79463730

## CONTACT

Markets and Products Information  
[rollingstock.business@lynxeogroup.com](mailto:rollingstock.business@lynxeogroup.com)

## 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 (mm<sup>2</sup>) MM  
 NSHXAF0E 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



U<sub>o</sub>/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	240 mm <sup>2</sup>
Maximum outer diameter	29.9 mm
( )	30.7 mm
	2600 kg/km
	- mm
U <sub>o</sub> /U (U <sub>m</sub> )	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	EN/IEC 61034 - 2
操作度范	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