



### 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 (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
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	120 ° C
Ozone resistance	Excellent
U.V resistance	Yes
	Yes

## PRODUCTS LIST

Reference	[mm <sup>2</sup> ]	Min. outer diam. [mm]	Max. outer diam. [mm]	( ) [kg/km]
79462430	2.5	8.9	9.3	115
79462530	4	9.6	10.0	130
79462630	6	10.3	10.7	160
79462730	10	11.1	11.7	210
79462830	16	12.9	13.5	300
79462930	25	14.7	15.3	400
79463030	35	16.0	16.6	520
79463130	50	17.5	18.1	650
79463230	70	19.2	19.8	880
79463330	95	21.5	22.1	1150
79463430	120	23.5	24.1	1400
79463530	150	24.7	25.5	1700
79463630	185	26.9	27.7	2050
79463730	240	29.9	30.7	2600