



### CONTACT

Markets and Products Information  
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### SINGLE CORE POWER CABLES

FLAMEX® EN 50264 - 3 - 1 600V M 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  
 Optional halogen - free separator tape

#### 2. Insulation

Cross - linked compound type EI 109 acc. to EN 50264 - 3 - 1  
 Oil, diesel, ozone and UV resistant  
 Colour: black (or optionally green/yellow for earthing wires)

Example of marking: FLAMEX EN 50264 - 3 - 1 600V mm<sup>2</sup> M (N)  
 HXAF 0,6/1kV | 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: 3 x outer cable diameter
  - For installation and occasional movements: 5 x outer cable diameter



Conductor flexibility 5



Halogen free  
 EN 60754 - 1 & EN 60684 - 2



Uo/U  
 (Um)  
 0.6/ 1 (1.2) kV



IEC 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
	EN 60754 - 1 & EN 60684 - 2
Uo/U (Um)	0.6/ 1 (1.2) kV
Fire retardant	IEC 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	120 ° C
Ozone resistance	Good
U.V resistance	Yes

## PRODUCTS LIST

Reference	[mm <sup>2</sup> ]	Min. outer diam. [mm]	Max. outer diam. [mm]	( [kg/km])
79462201	1	2.5	2.7	14
79462301	1.5	2.8	3.2	20
79462401	2.5	3.2	3.6	29
79462501	4	3.9	4.3	44
79462601	6	4.4	4.8	62
79462701	10	5.5	5.9	102
79462801	16	6.5	7.1	161
79462901	25	8.4	9.0	248
79463001	35	9.4	10.0	326
79463101	50	11.3	11.9	477
79463201	70	13.2	13.8	666
79463301	95	15.0	15.6	868
79463401	120	16.7	17.3	1106
79463501	150	18.7	19.3	1390
79463601	185	21.0	21.6	1689
79463701	240	23.8	24.6	2178