



### CONTACT

Markets and Products Information  
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### MULTICORES POWER CABLES

FLAMEX® EN 50264 - 3 - 2 MM multicores power and control 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 - 2; 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. 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 - 2 600V n X (G) ... (mm<sup>2</sup>) MM (N)HXSLOE | 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
  - For installation and occasional movements: 5 x outer cable diameter

### CHARACTERISTICS

Tin plated copper

Conductor flexibility

5



Conductor flexibility  
5



Halogen free  
EN 60754 - 1 & EN 60684 - 2



U<sub>o</sub>/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

	Cross - linked compound
	Cross - linked compound
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
操作度范	- 40 ... 90 ° C
Chemical resistance	Excellent
Ozone resistance	Yes
U.V resistance	Yes



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

## PRODUCTS LIST

Reference	Name	Nb. of cores	[mm <sup>2</sup> ]	Min. outer diam. [mm]	Max. outer diam. [mm]	( [kg/km] )
79475452	FLAMEX EN 50264 - 3 - 2 600V 2x4 MM	2	4	9.4	10.3	152
79465203	FLAMEX EN 50264 - 3 - 2 600V 3G1.5 MM	3	1.5	7.7	8.3	105
79465253	FLAMEX EN 50264 - 3 - 2 600V 3x1.5 MM	3	1.5	7.7	8.3	105
79465303	FLAMEX EN 50264 - 3 - 2 600V 3G2.5 MM	3	2.5	8.5	9.0	138
79465353	FLAMEX EN 50264 - 3 - 2 600V 3x2.5 MM	3	2.5	8.5	9.0	138
79465453	FLAMEX EN 50264 - 3 - 2 600V 3x4 MM	3	4	9.7	10.6	197
79465653	FLAMEX EN 50264 - 3 - 2 600V 3x6 MM	3	6	11.5	12.4	280
79465713	FLAMEX EN 50264 - 3 - 2 600V 3x10 MM	3	10	14.5	15.5	457
79465733	FLAMEX EN 50264 - 3 - 2 600V 3x16 MM	3	16	16.7	18.0	658
79465204	FLAMEX EN 50264 - 3 - 2 600V 4G1.5 MM	4	1.5	8.5	9.2	127
79465254	FLAMEX EN 50264 - 3 - 2 600V 4x1.5 MM	4	1.5	8.5	9.2	127
79465354	FLAMEX EN 50264 - 3 - 2 600V 4x2.5 MM	4	2.5	9.4	10.0	178
79465404	FLAMEX EN 50264 - 3 - 2 600V 4G4 MM	4	4	10.9	12.0	255
79465714	FLAMEX EN 50264 - 3 - 2 600V 4x10 MM	4	10	16.3	17.4	584
79465734	FLAMEX EN 50264 - 3 - 2 600V 4x16 MM	4	16	20.6	21.8	800
79465355	FLAMEX EN 50264 - 3 - 2 600V 5x2.5 MM	5	2.5	10.4	10.9	217
79465207	FLAMEX EN 50264 - 3 - 2 600V 7G1.5 MM	7	1.5	11.5	12.3	228