



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) ... (mm²) MM (N)
HXSLOE I LYNXEO I 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



Conductor flexibility
Flexible class 5



Halogen free
EN 60754-1 & EN 60684-2



Rated Voltage U_o/U_m
(Um)
0.6/ 1 (1.2) kV



Flame retardant
IEC 60332-1-2



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



Smoke density
EN/IEC 61034-2



Gases toxicity
EN 50305-9.2



Operating temp.
-40 ... 90 °C

CHARACTERISTICS

Construction characteristics

Conductor material	Tin plated copper
Conductor flexibility	Flexible class 5
Insulation	Cross-linked compound
Outer sheath	Cross-linked compound
Halogen free	EN 60754-1 & EN 60684-2

Electrical characteristics

Rated Voltage U _o /U (U _m)	0.6/ 1 (1.2) kV
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Usage characteristics

Flame retardant	IEC 60332-1-2
Fire retardant	EN IEC 60332-3-24 (cat C); EN IEC 60332-3-25 (EN50305)
Smoke density	EN/IEC 61034-2
Gases toxicity	EN 50305-9.2
Operating temperature, range	-40 ... 90 °C
Chemical resistance	Excellent
Ozone resistance	Yes
U.V resistance	Yes



Conductor flexibility
Flexible class 5



Halogen free
EN 60754-1 & EN 60684-2



Rated Voltage U_o/U (U_m)
0.6/ 1 (1.2) kV



Flame retardant
IEC 60332-1-2



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



Smoke density
EN/IEC 61034-2



Gases toxicity
EN 50305-9.2



Operating temp.
-40 ... 90 °C

PRODUCTS LIST

Reference	Name	Nb. of cores	Cross section [mm²]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [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