FLAMEX® EN 50264-3-2 MMS 600V



CONTACT

Markets and Products Information
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SHIELDED MULTICORES POWER CABLES

FLAMEX® EN 50264-3-2 600V MMS multicores shielded power and control cables are used for protected installations where enhanced electrical screening (EMC) is required. This product range is recommended for installations and connections in 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
Colour: black (or green/yellow if cable type is G)
Assembly (option): halogen free foil could be served

3. Screen
Copper wire braid acc. to EN 50264-3-2, halogen-free separator

4. 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 (or G) ... (mm²) MM S (N) HXCSLOE 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: 8 x outer cable diameter

Conductor flexibility	Halogen free	Rated Voltage Uo/U (Um)	Flame retardant	Fire retardant	Smoke density	Gases toxicity	Electro magnetic interference resistance
Flexible class 5	**EN 60754-1 & EN 60684-2**	**0.6/ 1 (1.2) kV**	**EN 60332-1-2**	**EN IEC 60332-3-24 (cat C); EN IEC 60332-3-25 (EN50305)**	**EN/IEC 61034-2**	**EN 50305-9.2**	**Yes**

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynxeo is indicative only and shall not be binding on Lynxeo or be treated as constituting a representation on the part of Lynxeo.

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CHARACTERISTICS

Construction characteristics	
Conductor material	Tin plated copper
Conductor flexibility	Flexible class 5
Insulation	Cross-linked compound
Screen	Tinned copper braid
Outer sheath	Cross-linked compound
Halogen free	EN 60754-1 & EN 60684-2
Electrical characteristics	
Rated Voltage Uo/U (Um)	0.6/ 1 (1.2) kV
Usage characteristics	
Flame retardant	EN 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
Electro magnetic interference resistance	Yes
Operating temperature, range	-40 ... 90 °C
Max. conductor temperature in service	90 °C
Overload maximum core temperature	120 °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 Uo/U (Um)
0.6/ 1 (1.2) kV


Flame retardant
EN 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


Electro magnetic interference resistance
Yes

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PRODUCTS LIST

Reference	Name	Nb. of cores	Cross section [mm²]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
79466252	FLAMEX EN 50264-3-2 600V 2x1.5 MMS	2	1.5	7.7	8.6	97
79466352	FLAMEX EN 50264-3-2 600V 2x2.5 MMS	2	2.5	9.3	8.3	119
79466203	FLAMEX EN 50264-3-2 600V 3G1.5 MMS	3	1.5	8.3	9.3	120
79466253	FLAMEX EN 50264-3-2 600V 3x1.5 MMS	3	1.5	8.3	9.3	120
79466303	FLAMEX EN 50264-3-2 600V 3G2.5 MMS	3	2.5	9.5	10.4	149
79466353	FLAMEX EN 50264-3-2 600V 3x2.5 MMS	3	2.5	9.5	10.4	149
79466453	FLAMEX EN 50264-3-2 600V 3x4 MMS	3	4	11.5	12.5	226
79466653	FLAMEX EN 50264-3-2 600V 3x6 MMS	3	6	13.0	14.0	304
79466713	FLAMEX EN 50264-3-2 600V 3x10 MMS	3	10	17.0	18.0	529
79466733	FLAMEX EN 50264-3-2 600V 3x16 MMS	3	16	20.0	21.3	782
79466204	FLAMEX EN 50264-3-2 600V 4G1.5 MMS	4	1.5	9.8	10.5	148
79466254	FLAMEX EN 50264-3-2 600V 4x1.5 MMS	4	1.5	9.8	10.5	148
79466304	FLAMEX EN 50264-3-2 600V 4G2.5 MMS	4	2.5	10.7	11.7	205
79466354	FLAMEX EN 50264-3-2 600V 4x2.5 MMS	4	2.5	10.7	11.7	205
79466454	FLAMEX EN 50264-3-2 600V 5x4 MMS	4	4	14.0	15.0	298
79466654	FLAMEX EN 50264-3-2 600V 4G6 MMS	4	6	15.0	14.0	383
79466714	FLAMEX EN 50264-3-2 600V 4x10 MMS	4	10	18.2	19.2	657
79466255	FLAMEX EN 50264-3-2 600V 5x1.5 MMS	5	1.5	10.5	11.5	192
79466305	FLAMEX EN 50264-3-2 600V 5G2.5 MMS	5	2.5	11.4	12.4	247
79466256	FLAMEX EN 50264-3-2 600V 6x1.5 MMS	6	1.5	11.5	12.5	226
79466716	FLAMEX EN 50264-3-2 600V 6x10 MMS	6	10	20.5	22.0	927
79466257	FLAMEX EN 50264-3-2 600V 7x1.5 MMS	7	1.5	12.5	13.5	267
79466357	FLAMEX EN 50264-3-2 600V 7x2.5 MMS	7	2.5	14.0	15.0	358

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Reference	Name	Nb. of cores	Cross section [mm²]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
79466260	FLAMEX EN 50264-3-2 600V 10x1.5 MMS	10	1.5	14.5	15.5	336

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