



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 (mm²) 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_o/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 _o /U (U _m)	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 操作度范	EN/IEC 61034 - 2 EN 50305 - 9.2 - 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

PRODUCTS LIST

Reference	[mm ²]	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