



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 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 (5 x D if D>10mm)
 - For installation and occasional movements: 10 x outer cable diameter



导线柔软度
柔软等级5



无卤
EN 60754-1 & EN 60684-2



额定电压U₀/U
3.6 / 6 (7.2) kV



阻燃 - 火焰
EN 60332-1-2



阻燃
EN IEC 60332-3-24
(cat. C); EN IEC 60332-3-25
(EN50305)



烟密度
EN/IEC 61034-2



气体毒性
EN 50305-9.2



操作温度
-40 ... 90 ° C

CHARACTERISTICS

结构特性

导体材料	Tin plated copper
导线柔软度	柔软等级5
绝缘	Cross-linked compound
外护套	Cross-linked compound
无卤	EN 60754-1 & EN 60684-2

电气特性

额定电压U ₀ /U	3.6 / 6 (7.2) kV
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使用特性

阻燃 - 火焰	EN 60332-1-2
阻燃	EN IEC 60332-3-24 (cat C); EN IEC 60332-3-25 (EN50305)
烟密度	EN/IEC 61034-2
气体毒性	EN 50305-9.2
操作温度范围	-40 ... 90 ° C
芯线最高静止温度	90 ° C
Overload maximum core temperature	120 ° C
耐化学物质	优异
Ozone resistance	是
抗UV	是

PRODUCTS LIST

Reference	Cross section [mm ²]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [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