



CONTACT

Markets and Products Information
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UNSCREENED SINGLE CORE CABLE

FLAMEX® 4GKW 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 45545-2 (HL3); EN 50264-3-1; 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
Oil, diesel, ozone and UV resistant
Colour: black

Example of cable marking up to 10 mm²: FLAMEX type EN 50264-3-1 1800V (mm²) M 4GKW | LYNXEO | WW-YYYY

Example of cable marking from 16 mm²: FLAMEX EN 50264-3-1 1800V (mm²) M | 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: 3 x outer cable diameter (5 x D if D > 10mm)
 - For installation and occasional movements: 6 x outer cable diameter



导线柔软度
柔软绞和



无卤
EN 50267-2-1 & EN 60684-2



额定电压U₀/U
1.8 / 3 (3.6) 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	镀锡铜线
导线柔软度	柔软绞和
绝缘	Cross-linked compound
无卤	EN 50267-2-1 & EN 60684-2

电气特性

额定电压U ₀ /U	1.8 / 3 (3.6) 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
Ozone resistance	是
耐化学物质	好
抗UV	是

PRODUCT LIST

Reference	Country Ref.	Name	导线截面 [mm ²]	外径最小值 [mm]	Maximum outer diameter [mm]
📦 79461320	-	FLAMEX 4GKW 1.8/3kV 1x1.5	1.5	3.1	3.3
📦 79461520	-	FLAMEX 4GKW 1.8/3kV 1x4	4	4.35	4.65
📦 79461620	-	FLAMEX 4GKW 1.8/3kV 1x6	6	4.95	5.25
📦 79461720	-	FLAMEX 4GKW 1.8/3kV 1x10	10	6.1	6.5
📦 79461820	-	FLAMEX 4GKW 1.8/3kV 1x16	16	8.1	8.5
📦 79461420	-	FLAMEX 4GKW 1.8/3kV 1x2.5	2.5	3.55	3.85
📦 79461220	-	FLAMEX 4GKW 1.8/3kV 1x1	1	2.7	2.9

☎ = Make to order, 📦 = In stock,

导线柔软度
柔软绞和无卤
EN 50267-2-1 & EN
60684-2额定电压U₀/U
1.8 / 3 (3.6) 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