

**CONTACT**

Markets and Products Information
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HIGH TEMPERATURE EXTRA-FLEXIBLE POWER CABLES

FLAMEX® EN 50382-2 FX power cables are designed with extra flexible conductors for easier installation. Able to withstand higher operating temperatures, these silicone-based cables allow to save cable weight.

STANDARDS

Product EN 45545-2 (HL3); EN 50382-2; IEC 60228

DESIGN**1. Conductor**

Extra flexible class 6 copper according to IEC 60228

- tinned copper for 120° C Class
- plain copper for 150° C Class

Separator: Unweaved tape

2. Insulation

Cross-linked silicone type EI 111 according to EN 50382-1

Colour: black outer layer

Example of marking: FLAMEX SI - EN 50382-2 - Voltage rate (1800V or 3600V) - cross-section mm² - FX - temperature class (150° C) - LYNXEO 279 - week/year

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: 6 x outer cable diameter
- Pulling tensile force (dynamic) during installation: 50 N/mm² of copper size
- Mechanical static tensile force: 15N/mm² of copper size



导线柔软度
超柔软等级6



无卤
EN 60754-1 & EN 60684-2



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
-50 ... 120 ° C



芯线最高静止温度
150 ° C

CHARACTERISTICS

结构特性		
导体材料	裸铜	
导线柔软度	超柔软等级6	
绝缘	High temperature silicone	
无卤	EN 60754-1 & EN 60684-2	
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	-50 ... 120 ° C	
芯线最高静止温度	150 ° C	
Overload maximum core temperature	170 ° C	
耐化学物质	好	



导线柔软度
超柔软等级6



无卤
EN 60754-1 & EN 60684-2



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
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操作温度
-50 ... 120 ° C



芯线最高静止温度
150 ° C

FLAMEX® SI EN 50382-2 FX 1800V 150° C

Reference	Gross section [mm ²]	Conductor diam. [mm]	Nom. outer diam. [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10263100	50	9.2	14.4	13.5	15.8	545
10263101	70	11.0	16.4	15.0	17.8	747
10263102	95	12.5	18.3	17.0	19.9	973
10227163	120	14.2	20.0	18.6	21.7	1212
10263103	150	15.8	22.5	20.1	23.5	1463
10263125	185	18.2	23.8	22.1	25.4	1787
10227162	240	20.1	26.7	24.1	28.2	2270

FLAMEX® SI EN 50382-2 FX 3600V 150° C

Reference	Gross section [mm ²]	Conductor diam. [mm]	Nom. outer diam. [mm]	Min. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10263127	50	9.2	15.7	14.4	16.9	578
10263128	70	11.0	17.3	16.1	18.9	784
10263129	95	12.5	18.7	17.5	20.5	998
10263130	120	14.2	21.0	19.3	22.6	1247
10263131	150	15.8	22.3	20.8	24.4	1502
10227377	185	17.5	24.6	22.6	26.5	1839
10263132	240	20.1	28.3	25.4	29.8	2353