



Reference: 79462324

CONTACT

Markets and Products Information
rollingstock.business@lynxeogroup.com

SHEATHED SINGLE CORE POWER CABLES

FLAMEX® EN 50264 - 3 - 1 1800V 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
Optional halogen - free separator tape
2. Insulation
Cross - linked compound type EI 109 acc. to 50264 - 1.
Colour: grey
3. Sheath
Cross - linked compound type EM 104 acc. to 50264 - 1
Oil, diesel, ozone and UV resistant
Colour: black

Example of marking: FLAMEX EN 50264 - 3 - 1 1800V (mm²) MM
 NSHXAF0E 1.8/3 kV | 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



Conductor flexibility 5



Halogen free EN 60754 - 1 & EN 60684 - 2



U_o/U (Um) 1.8 / 3 (3.6) 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
Minimum outer diameter	1.5 mm ²
Maximum outer diameter	5.7 mm
()	6.0 mm
	50 kg/km
	- mm
U _o /U (U _m)	1.8 / 3 (3.6) kV
Fire retardant	EN 60332 - 1 - 2
	EN IEC 60332 - 3 - 24 (cat C); EN IEC 60332 - 3 - 25 (EN50305)
가	EN/IEC 61034 - 2
操作度范	EN 50305 - 9.2
Max. conductor temperature in service	- 40 ... 90 ° C
Overload maximum core temperature	90 ° C
Chemical resistance	- ° C
Ozone resistance	Excellent
U.V resistance	Yes
Short - circuit max. conductor temperature	Yes
	200 ° C