



Reference: 79463820

CONTACT

Markets and Products Information
rollingstock.business@lynxeogroup.com

SINGLE CORE POWER CABLES

FLAMEX® EN 50264 - 3 - 1 1800V M 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 EN 50264 - 1
Oil, diesel, ozone and UV resistant
Colour: black

Example of marking: FLAMEX EN 50264 - 3 - 1 1800 V (mm²) M 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: 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



Uo/U
(Um)
1.8 / 3 (3.6) kV



IEC 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	
	EN 60754 - 1 & EN 60684 - 2	
Minimum outer diameter Maximum outer diameter ()	300 mm ²	
	29.3 mm	
	30.1 mm	
	2938 kg/km	
Uo/U (Um)	- mm	
	1.8 / 3 (3.6) kV	
Fire retardant	IEC 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	
Max. conductor temperature in service	- 40 ... 90 °C	
Overload maximum core temperature	90 °C	
Chemical resistance	- °C	
Ozone resistance	Good	
U.V resistance	Yes	
Short - circuit max. conductor temperature	Yes	
	200 °C	