



Reference: 79462820

**CONTACT**Markets and Products Information  
rollingstock.business@lynxgroup.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 (mm<sup>2</sup>) 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 5Halogen free  
EN 60754 - 1 & EN  
60684 - 2U<sub>o</sub>/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 - 9.2Operating 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 (      )	16 mm <sup>2</sup>	
	9.0 mm	
	9.4 mm	
	213 kg/km	
U <sub>o</sub> /U (U <sub>m</sub> )	- 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	