



Reference: 79463701

CONTACT

Markets and Products Information
rollingstock.business@lynxeogroup.com

SINGLE CORE POWER CABLES

FLAMEX® EN 50264 - 3 - 1 600V 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 - 3 - 1
Oil, diesel, ozone and UV resistant
Colour: black (or optionally green/yellow for earthing wires)

Example of marking: FLAMEX EN 50264 - 3 - 1 600V mm² M (N)
HXAF 0,6/1kV I NEXANS I WW - YYYY



Conductor flexibility 5



Halogen free
EN 60754 - 1 & EN 60684 - 2



Uo/U
0.6/ 1 (1.2) 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 ()	240 mm ²	
	23.8 mm	
	24.6 mm	
	2178 kg/km	
Uo/U (Um)	- mm	
	0.6/ 1 (1.2) 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	