FLAMEX® EN 50264-3-1 M 600V

FLAMEX EN 50264-3-1 600V 120 M

Reference: 79463401

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

Applications

For protected installation in railway vehicles #locomotives, trains, trolley-busses etc##, switching station and control panels# Installation in cable ducts, pipes and tubes#

Current carrying capacity according to EN 50343 as well as VDE 0298 part 4#

Complies with performance requirements acc# to EN 45545 part 2-HL3#

Design

1# Conductor

Flexible stranded tinned copper, class 5 in acc# with DIN VDE 0295 / EN/IEC 60228, conductor screen

2# Sheath

Cross-linked compound EI 109 acc# to EN 50264-3-1

Oil, diesel-oil, ozone and UV resistant

Colour: black

Cable marking

Printing white; visibly coloured:

FLAMEX EN 50264-3-1 600V mm² M #N#HXAF 0,6/1kV I NEXANS I WW-YYYY
Retardant acc. to EN 50305

Conductor flexibility	Halogen free	Rated Voltage Uo/U (Um)	Flame retardant	Fire retardant	Smoke density	Gases toxicity	Operating temp.
Flexible class 5	**EN 60754-1 & EN 60684-2**	**0.6/ 1 (1.2) kV**	**IEC 60332-1-2**	**EN IEC 60332-3-24 (cat C); EN IEC 60332-3-25 (EN50305)**	**EN/IEC 61034-2**	**EN 50305-9.2**	**-40 ... 90 °C**

FLAMEX® EN 50264-3-1 M 600V

FLAMEX EN 50264-3-1 600V 120 M

CHARACTERISTICS

Construction characteristics	
Conductor material	Tin plated copper
Conductor flexibility	Flexible class 5
Insulation	Cross-linked compound
Halogen free	EN 60754-1 & EN 60684-2
Dimensional characteristics	
Conductor cross-section	120 mm²
Minimum outer diameter	16.7 mm
Maximum outer diameter	17.3 mm
Approximate weight	1106 kg/km
Conductor diameter	- mm
Electrical characteristics	
Rated Voltage Uo/U (Um)	0.6/ 1 (1.2) kV
Usage characteristics	
Flame retardant	IEC 60332-1-2
Fire retardant	EN IEC 60332-3-24 (cat C); EN IEC 60332-3-25 (EN50305)
Smoke density	EN/IEC 61034-2
Gases toxicity	EN 50305-9.2
Operating temperature, range	-40 ... 90 °C
Max. conductor temperature in service	90 °C
Overload maximum core temperature	- °C
Chemical resistance	Good
Ozone resistance	Yes
U.V resistance	Yes
Short-circuit max. conductor temperature	200 °C