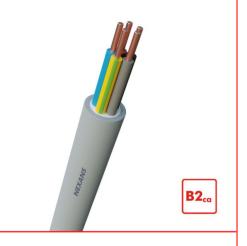
lexans



Nexans Ref.: 10532910 EAN 13: 5413404303151

FIRE PERFORMANCE CLASS



B2ca-s1,d1,a1





Product Management service.nnl@nexans.com YMz1K B2ca is a halogen free low smoke power cable according to fire classification B2ca-s1.d1.a1 for connection in low voltage installation up to 0.6/1 kV in construction works with a very high fire hazard level. YMz1K B2ca FLEX provided with conductors with increased bendability (FLEX)

STANDARDS

Product HD 604 S1 part 5/sect. C: IEC 60228

APPLICATIONS

Nexans YMz1K B2ca is a halogen free low smoke power cable for general use in construction works subject to performance requirements on reaction to fire. YMz1K B2ca is suitable for application in low voltage installations up to 0.6/1 kV, according to NEN 1010. It meets the requirements according to fire classification B2ca-s1,d1,a1 for buildings and civil engineering works with a very high fire hazard level (NEN 8012). Available from 35 mm2: YMz1K B2ca FLEX, provided with conductors with increased bendability.

MAIN BENEFITS

- Easy Strippable Cables (1.5 6 mm2) are easy to strip
- PEP EcoPassport EPD environmental passport available
- UV Resistant Our cables passed the 720 hour test according to the test standard EN 50289-4-17 Method A

DESIGN

- 1 Conductor Sections till 10 mm2: Bare copper, solid, class 1 Sections from 10 mm2: Bare copper, stranded, class 2
- 2. Insulation: XLPE Inner covering: Halogen free compound Outer sheath: Halogen free compound 3
- Colour: grey UV resistance: Yes

Core identification

- 1 core: neutral
- 2 cores: brown-light blue
- 3G cores: green/yellow-brown-light blue
- 3x cores: black-grey-brown
- 4 cores: green/yellow brown-black-grey
- 5 cores: green/yellow light blue brown black grey



Conductor flexibility Solid class 1



IEC 60754

Rated Voltage Uo/U (Um)0,6/1 kV



impacts

Good

Bending factor when laying

10 (xD)



Minimum installation temperature 0 °C



Operating temp -20 ... 80 °C

Max.conductor temp.in service 90 °C

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All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.



CHARACTERISTICS

Construction characteristics	
Conductor flexibility	Solid class 1
Conductor material	Bare copper
Insulation	XLPE (Cross-linked Polyethylene)
Core identification	Blue, brown, black, grey, green / yellow
Protection	-
Outer sheath	Halogen free compound
Sheath colour	Grey
Halogen free	IEC 60754
Conductor shape	Round solid
Dimensional characteristics	
Number of cores	5
Conductor cross-section	2.5 mm ²
Nominal outer diameter	13.5 mm
Approximate weight	340 kg/km
Average insulation thickness	0.7 mm
Nominal outer sheath thickness	1.8 mm
Electrical characteristics	
Permissible current rating in open air	32 A
Loop resistance, max. at 20°C	7.41 Ohm/km
Rated Voltage Uo/U (Um)	0,6/1 kV
Mechanical characteristics	
Mechanical resistance to impacts	Good
Usage characteristics	
Bending factor when laying	10 (xD)
One single bending at each end minimum	8 (xD)
Field of application	Standard
Minimum installation temperature	O° 0
Operating temperature, range	-20 80 °C
Max. conductor temperature in service	90 °C
U.V resistance	EN 50289-4-17 method A, for 720h

SELLING AND DELIVERY INFORMATION

Marking

ALSECURE YMz1K B2ca n (x or G) s mm² NEXANS BENELUX KEMA KEUR Meter Marking

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