

Nexans YMz1K B2ca / YMz1K B2ca FLEX

Nexans YMz1K B2ca 0.6/1 kV 4G2.5 mm2 Easy Strippable



Nexans Ref.: 10532905 EAN 13: 5413404303106

FIRE PERFORMANCE CLASS



B2ca-s1,d1,a1



CONTACT

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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

3. Outer sheath: Halogen free compound

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



Halogen free IEC 60754



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



Mechanical resistance to impacts **Good**



Bending factor when laying 10 (xD)



Minimum installation temperature 0 °C



Operating temp



Max.conductor temp.in service



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CHARACTERISTICS

CHARACTERISTICS	
Construction characteristics	
Conductor flexibility	Solid class 1
Conductor material	Bare copper
Insulation	XLPE (Cross-linked Polyethylene)
Core identification	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	4
Conductor cross-section	2.5 mm ²
Nominal outer diameter	12.5 mm
Approximate weight	300 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
Jsage characteristics	
Bending factor when laying	10 (xD)
One single bending at each end minimum	8 (xD)
Field of application	Standard
Minimum installation temperature	0 °C
Operating temperature, range	-20 80 °C

SELLING AND DELIVERY INFORMATION

Marking

U.V resistance

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

Max. conductor temperature in service

Core identification

• 1 core: neutral

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90 °C

EN 50289-4-17 method A, for 720h



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