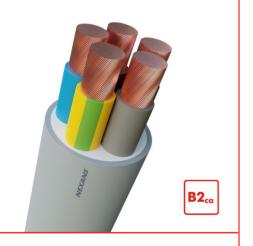
# exans



Nexans Ref.: 10542305 EAN 13: 5413404313815

#### **FIRE PERFORMANCE CLASS**



B2ca-s1,d1,a1

## CONTACT

**Product Management** service.nnl@nexans.com YMz1K ss ULTRAFLEX is an extra flexible halogen free power cable according to fire classification B2ca-s1,d1,a1 for connection in low voltage installations up to 0.6/1 kV in construction works with a very high fire hazard level.

## **STANDARDS**

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

## **APPLICATIONS**

Nexans YMz1K ss B2ca ULTRAFLEX is an extra flexible halogen free power cable for general use in construction works subject to performance requirements on reaction to fire. YMz1K ss B2ca ULTRAFLEX is suitable for application in low voltage installations up to 0.6/1 kV, according to NEN1010. 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).

## DESIGN

#### 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: Bare copper, stranded, class 5 / resistance class 2
- Insulation: XLPE 2.
- Inner covering: Halogen free compound 3.
- Outer sheath: Halogen free compound 4.
  - Colour: grey UV resistance: Yes



Conductor flexibility Highly flexible, class 2



(Um)

0,6/1 kV

IEC 60754



Mechanical resistance to impacts Good



when laying

8 (xD)

Minimum installation temperature 0 °C





Max.conductor temp.in service 90 °C

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## **CHARACTERISTICS**

Construction characteristics	
Conductor material	Bare copper
Conductor flexibility	Highly flexible, class 2
Conductor shape	Round, multi stranded
Insulation	XLPE (Cross-linked Polyethylene)
Core identification	Blue, brown, black, grey, green / yellow
Outer sheath	Halogen free compound
Sheath colour	Grey
Halogen free	IEC 60754
With Green/Yellow core	Yes
Dimensional characteristics	
Number of cores	5
Conductor cross-section	95 mm²
Average insulation thickness	1.1 mm
Nominal outer sheath thickness	2.3 mm
Nominal outer diameter	46.5 mm
Approximate weight	5785 kg/km
Electrical characteristics	
Permissible current rating in open air	298 A
Max. DC resistance of the conductor at 20°C	0.193 Ohm/km
Rated Voltage Uo/U (Um)	0,6/1 kV
Mechanical characteristics	
Mechanical resistance to impacts	Good
Usage characteristics	
Bending factor when laying	8 (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
Max. conductor temperature in service	0° 00
U.V resistance	EN 50289-4-17 method A, for 720h

## SELLING AND DELIVERY INFORMATION

#### Marking

ALSECURE YMz1K-ss B2ca n (x or G) s mm<sup>2</sup> NEXANS BENELUX KEMA KEUR Meter Marking

## **Core identification**

• 1 core: neutral

## Nexans

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

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