

# YMvK ss Dca-s2 ULTRAFLEX 0.6/1 kV

YMvK Dca-s2 ULTRAFLEX 0.6/1 kV 5G25 mm2

## Contact

Product Management  
service.nnl@nexans.com

Nexans Ref.: 10559977

EAN 13: 5413404322589

YMvK ss Dca ULTRAFLEX® is a power cable according to fire classification Dca-s2,d2,a3, for usage in low voltage installations up to 0.6/1 kV in housing, residential and similar installations with a medium fire hazard level

## DESCRIPTION

### Applications

YMvK ss Dca ULTRAFLEX® is a power cable according to fire classification Dca-s2,d2,a3, for usage in low voltage installations up to 0.6/1 kV in housing, residential and similar installations with a medium fire hazard level. **YMvK ss Dca**

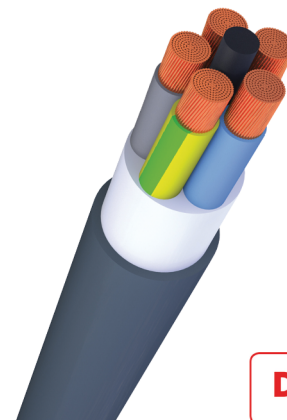
**ULTRAFLEX®** is suitable for fixed installation in sight, with clamps or saddles. Use of this cable in special trays and ducts is allowed. This cable has a reduced propagation of fire in cable bunches..

### Declaration of Performance

Reaction to fire: Dca-s2,d2,a3

### Design

1. Conductor  
Bare copper  
Highly flexible, class 2 (Conductor construction according to IEC 60228 class 5, conductor resistance according to class 2)
2. Insulation: XLPE
3. Inner covering filling compound or filler compound
4. Outer sheath: PVC  
Colour: grey  
UV resistance: Yes



## DECLARATION OF PERFORMANCE

Dca-s2,d2,a3

## STANDARDS

**International** HD 604.4D;  
IEC 60502

**National** KEMA 42 C-1-4-D



Conductor flexibility  
**Highly flexible,**  
class 2



Lead free  
**Yes**



Rated Voltage Uo/U  
(Um)  
**0.6/1 kV**



Mechanical  
resistance to  
impacts  
**Good**



Minimum  
installation  
temperature  
**0 °C**



Operating temp.  
**-20 - 95 °C**



Max. conductor  
temp.in service  
**90 °C**



Bending factor  
when laying  
**8 (xD)**

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.

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### CHARACTERISTICS

#### Construction characteristics

Conductor material	Copper
Conductor flexibility	Highly flexible, class 2
Conductor shape	Round, multi stranded
Insulation	XLPE (chemical)
Protection	Filler
Outer sheath	PVC
Sheath colour	Grey
Lead free	Yes
Core identification	Blue, brown, black, grey, green / yellow
With Green/Yellow core	Yes
With smaller neutral conductor	No

#### Dimensional characteristics

Number of cores	5
Conductor cross-section	25 mm <sup>2</sup>
Outer Diameter	28.1 mm
Approximate weight	1706 kg/km
Neutral conductor section (when smaller)	- mm <sup>2</sup>

#### Electrical characteristics

Max. DC resistance of the conductor at 20°C	0.727 Ohm/km
Permissible current rating in open air	127 A
Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	0.6/1 kV













#### Mechanical characteristics

Mechanical resistance to impacts	Good
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#### Usage characteristics

Minimum installation temperature	0 °C
Operating temperature, range	-20 - 95 °C
Max. conductor temperature in service	90 °C
Bending factor when laying	8 (xD)
Field of application	Fixed installations
U.V resistance	EN 50289-4-17 method A, for 720h

### CURRENT CAPACITY TABLE PR THREE PHASE MULTICORE NL

Conductor cross-section [mm <sup>2</sup> ]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
25	89	105	96	119	107	127
 A2 Multi-core cable in conduit in a thermally insulated wall	 B2 Multi-core cable in conduit on a wooden wall	 D1 Multi-core cable in ducts in the ground	 C Single-core or multi-core cable on a wooden wall	 D2 Multi-core cables designed to be buried directly in the ground	 E Multi-core cable in free air	















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









## CURRENT CAPACITY TABLE PR SINGLE PHASE MULTICORE

Conductor cross-section [mm <sup>2</sup> ]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
25	99	119	138	116	129	149
 A2 Multi-core cable in conduit in a thermally insulated wall	 B2 Multi-core cable in conduit on a wooden wall	 D1 Multi-core cable in ducts in the ground		 D2 Multi-core cables designed to be buried directly in the ground	 C Single-core or multi-core cable on a wooden wall	
 D1 Multi-core cable in ducts in the ground	 D2 Multi-core cables designed to be buried directly in the ground	 E Multi-core cable in free air				

## CURRENT CAPACITY TABLE PR SINGLE PHASE SINGLE CORE

Conductor cross-section [mm <sup>2</sup> ]	 Cu	 Cu	 Cu	 Cu
25	106	133	138	161
 A1 Insulated conductors in conduit in a thermally insulated wall	 B1 Insulated conductors in conduit on a wooden wall	 C Single-core or multi-core cable on a wooden wall		
 F Single-core flat cables, touching in free air				

## CURRENT CAPACITY TABLE PR THREE PHASE SINGLE CORE

Conductor cross-section [mm <sup>2</sup> ]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
25	95	117	119	96	107	135	141
 A1 Insulated conductors in conduit in a thermally insulated wall	 B1 Insulated conductors in conduit on a wooden wall	 D1 Single or Multi-core cable in ducts in the ground		 D2 Single or Multi-core cables designed to be buried directly in the ground		 F Single-core trefoil cables, touching in free air	
 C Single-core or multi-core cable on a wooden wall	 F Single-core flat cables, touching in free air						

## SELLING AND DELIVERY INFORMATION

### Marking

YMvK ss Dca-s2,d2,a3  
n (x or G) s mm<sup>2</sup>  
NEXANS BENELUX  
KEMA KEUR  
Meter Marking

n = no. of conductors

s = cross section in mm<sup>2</sup>

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x = without green/yellow

G = with green/yellow