

YMvK Dca-s2 0.6/1 kV Easy Strippable 2x6 MM2



Nexans Ref.: 10559868 EAN 13: 5413404321506

FIRE PERFORMANCE CLASS



Dca-s2,d2,a3





CONTACT

Product Management service.nnl@nexans.com Power cable according to Dutch standard with fire classification Dca-s2,d2,a3 for usage in low voltage installations up to 0.6/1 kV in housing, residential and simular installation with a medium fire hazard level

STANDARDS

Product HD 604.4D: IEC 60228

Test KEMA 42 C-1-4-D

APPLICATIONS

YMvK Dca 0.6/1 kVis a power cable for general use in construction works subject to performance requirements on reaction to fire. YMvK Dca 0.6/1 kV 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 Dca-s2,d2,a3 for usage in buildings and civil engineering works with a medium fire hazard level (NEN 8012).

Thanks to its improved flexibility YMvK Dca-s2 FLEX 0.6/1 kV is easier to install then the non-flexible version. YMvK Dca FLEX 0.6.1 kV is available from 35 mm2.

YMvK Dca-s2 0.6/1 kV Easy Strippablehas an improved design with an easier to strip cable sheaths. With Easy Strippable you can remove the sheath in a single smooth motion over a length of up to 100 cm.

Design

Conductor:

Conductors untill 10 mm2: Bare copper, solid, class 1 Conductors from 10 mm2: Bare copper, stranded, class 2

2. Insulation: XLPE

3. Inner covering: filling compound

Outer sheath: PVC Colour: Grey UV resistance: Yes

CORE IDENTIFICATION

• 1 core : black

• 2 cores : brown - blue

• 3G cores: brown - blue - green/yellow

• 3x cores : black - brown - grey

• 4 cores : brown - black - grey - green/yellow

• 5 cores : brown - blue - black - grey - green/yellow



Conductor flexibility Solid class 1



I ead free Yes



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



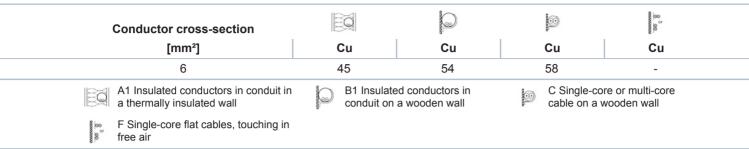
CHARACTERISTICS

| Construction characteristics | |
|--|----------------------------------|
| With Green/Yellow core | No |
| Core identification | Blue, brown |
| Sheath colour | Grey |
| Conductor shape | Round solid |
| Conductor material | Bare copper |
| Insulation | XLPE (chemical) |
| Protection | Filler |
| Outer sheath | PVC |
| Conductor flexibility | Solid class 1 |
| Lead free | Yes |
| Dimensional characteristics | |
| Number of cores | 2 |
| Conductor cross-section | 6 mm² |
| Approximate weight | 297 kg/km |
| Nominal outer diameter | 12.9 mm |
| Average insulation thickness | 0.7 mm |
| Nominal outer sheath thickness | 1.8 mm |
| Electrical characteristics | |
| Loop resistance, max. at 20°C | 3.08 Ohm/km |
| Permissible current rating in open air | 63 A |
| Rated Voltage Uo/U (Um) | 0,6/1 kV |
| Mechanical characteristics | |
| Mechanical resistance to impacts | Good |
| Usage characteristics | |
| Field of application | Standard |
| Bending factor when laying | 10 (xD) |
| One single bending at each end minimum | 8 (xD) |
| Minimum installation temperature | 0 ℃ |
| Operating temperature, range | -20 80 °C |
| Max. conductor temperature in service | 90 °C |
| Packaging | Cut to length |
| U.V resistance | EN 50289-4-17 method A, for 720h |
| | |



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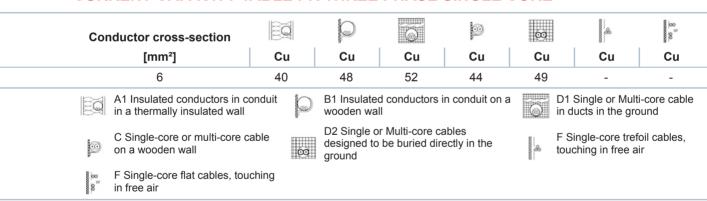
CURRENT CAPACITY TABLE PR SINGLE PHASE SINGLE CORE



CURRENT CAPACITY TABLE PR SINGLE PHASE MULTICORE

| Conductor cross-section [mm²] | Cu | Cu | © Cu | C u | © Cu | Cu |
|---|------------|---------------------------------------|-------------------|-------------------|-----------------------------------|---------------|
| 6 | 42 | 51 | 53 | 58 | 58 | 53 |
| A2 Multi-core cable in conduit i thermally insulated wall | in a | B2 Multi-core cab wooden wall | ole in conduit on | □ • (•)) | C Single-core or cable on a woode | |
| D1 Multi-core cable in ducts in ground | 1111111111 | D2 Multi-core call buried directly in | | be | E Multi-core cabl | e in free air |

CURRENT CAPACITY TABLE PR THREE PHASE SINGLE CORE



CURRENT CAPACITY TABLE PR THREE PHASE MULTICORE NL

| Co | nductor cross-section [mm²] | Cu | © Cu | Cu | © Cu | © Cu | © Cu |
|----|--|----------|--|---------------------|-------------|--------------------------------|------------------|
| | 6 | 38 | 44 | 52 | 44 | 49 | 54 |
| | A2 Multi-core cable in conduit in a thermally insulated wall | 6 | B2 Multi-core call wooden wall | ole in conduit on a | 11112-41111 | D1 Multi-core ca the ground | able in ducts in |
| 9 | C Single-core or multi-core cable on a wooden wall | <u>@</u> | D2 Multi-core call buried directly in | | oe 🏻 | E Multi-core cab | le in free air |



SELLING AND DELIVERY INFORMATION

Marking

YMvK Dca (FLEX) n (x or G) s mm² NEXANS BÈNELÚX KEMA KEUR Meter Marking