

YMvK Dca-s2 0.6/1 kV / YMvK Dca-s2 FLEX 0.6/1 kV

YMvK Dca-s2 0.6/1 kV Easy Strippable 5G4 MM2

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Nexans Ref.: 10559858
EAN 13: 5413404321407

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 similar installation with a medium fire hazard level

DESCRIPTION

Applications

YMvK Dca 0.6/1 kV is 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 than the non-flexible version. **YMvK Dca FLEX 0.6.1 kV** is available from 35 mm².

YMvK Dca-s2 0.6/1 kV Easy Strippable has 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

1. Conductor:
Conductors until 10 mm²: Bare copper, solid, class 1
Conductors from 10 mm²: Bare copper, stranded, class 2
2. Insulation: XLPE
3. Inner covering: filling compound
4. Outer sheath: PVC
Colour: Grey
UV resistance: Yes



DECLARATION OF PERFORMANCE

Dca-s2,d2,a3

STANDARDS

International HD 604.4D;
IEC 60228

National KEMA 42 C-1-4-D



Conductor flexibility
Solid class 1



Lead free
Yes



Rated Voltage U_o/U_i
(Um)
0,6/1 kV



Mechanical
resistance to
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

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

With Green/Yellow core	Yes
Core identification	Blue, brown, black, grey, green / yellow
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	5
Conductor cross-section	4 mm ²
Approximate weight	388 kg/km
Nominal outer diameter	14.5 mm
Average insulation thickness	0.7 mm
Nominal outer sheath thickness	1.8 mm

Electrical characteristics

Loop resistance, max. at 20°C	4.61 Ohm/km
Permissible current rating in open air	42 A
Rated Voltage U ₀ /U (U _m)	0,6/1 kV

Mechanical characteristics

Mechanical resistance to impacts	Good
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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 °C
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

Conductor cross-section [mm ²]	 Cu	 Cu	 Cu	 Cu
4	35	42	45	-
 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 SINGLE PHASE MULTICORE

Conductor cross-section [mm ²]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
4	33	40	43	45	46	49
 A2 Multi-core cable in conduit in a thermally insulated wall	 B2 Multi-core cable in conduit on a wooden wall	 C Single-core or multi-core cable on a wooden wall		 E Multi-core cable in free air		
 D1 Multi-core cable in ducts in the ground	 D2 Multi-core cables designed to be buried directly in the ground					

CURRENT CAPACITY TABLE PR THREE PHASE SINGLE CORE

Conductor cross-section [mm ²]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
4	31	37	40	36	39	-	-
 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		 F Single-core trefoil cables, touching in free air			
 C Single-core or multi-core cable on a wooden wall	 D2 Single or Multi-core cables designed to be buried directly in the ground						
 F Single-core flat cables, touching in free air							

CURRENT CAPACITY TABLE PR THREE PHASE MULTICORE NL

Conductor cross-section [mm ²]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
4	30	35	36	40	39	42
 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				 E Multi-core cable in free air
 C Single-core or multi-core cable on a wooden wall	 D2 Multi-core cables designed to be buried directly in the ground					

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SELLING AND DELIVERY INFORMATION

Marking

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