

Nexans Ref.: 10559870 EAN 13: 5413404321520

#### FIRE PERFORMANCE **CLASS**



Dca-s2,d2,a3

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#### 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 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 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

- 1 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 4. 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



(Um)

0,6/1 kV

Rated Voltage Uo/U Mechanical resistance to impacts

Good



Bending factor when laying 10 (xD)



installation

temperature 0 °C

Operating temp. -20 ... 80 °C



Max conductor temp.in service 90 °C

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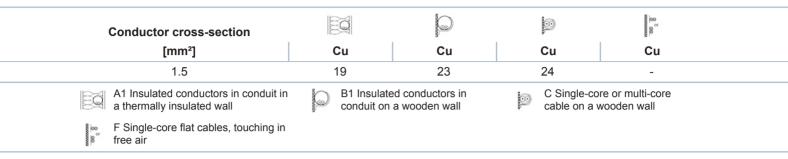
#### **CHARACTERISTICS**

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	1.5 mm²
Approximate weight	228 kg/km
Nominal outer diameter	12.3 mm
Average insulation thickness	0.7 mm
Nominal outer sheath thickness	1.8 mm
Electrical characteristics	
Loop resistance, max. at 20°C	12.1 Ohm/km
Permissible current rating in open air	23 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 °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



## **CURRENT CAPACITY TABLE PR SINGLE PHASE MULTICORE**

Conductor cross-section		0		i (j)	Ś	9	
[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	
1.5	19	22	25	24	27	26	
A2 Multi-core cable in conduit i thermally insulated wall	le in conduit in a d wall B2 Multi-core cable in conduit on a wooden wall			a 😥	C Single-core or cable on a woode	multi-core en wall	
D1 Multi-core cable in ducts in ground	the 🤯	D2 Multi-core cab buried directly in		be 🔯	E Multi-core cabl	e in free air	

# **CURRENT CAPACITY TABLE PR THREE PHASE SINGLE CORE**

Cor	iductor cross-section		$\bigcirc$	Ĩ	00	œ	80	oo or o	
	[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	Cu	
	1.5	17	20	21	22	23	-	-	
	A1 Insulated conductors in c in a thermally insulated wall	onduit	B1 Insulate wooden wa	ed conductors ir all	n conduit on a		Single or Multi ducts in the gro		
0	C Single-core or multi-core c on a wooden wall	able	D2 Single designed to ground	or Multi-core ca o be buried dire			Single-core tref		
00 00 00	F Single-core flat cables, tou in free air	ching							

## CURRENT CAPACITY TABLE PR THREE PHASE MULTICORE NL

Conductor cross-section		0	<b>S</b>	$\odot$	ĆŎ	0	
[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	
1.5	17	20	21	22	23	23	
A2 Multi-core cable in conduit ir thermally insulated wall		B2 Multi-core ca wooden wall	ble in conduit on a		D1 Multi-core ca the ground	ble in ducts in	
C Single-core or multi-core cab on a wooden wall		D2 Multi-core ca buried directly in	bles designed to b the ground	be 💿	E Multi-core cab	le in free air	

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#### SELLING AND DELIVERY INFORMATION

#### Marking

YMvK Dca (FLEX) n (x or G) s mm<sup>2</sup> NEXANS BÈNELÚX **KEMA KEUR** Meter Marking

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