

Nexans Ref.: 10559893 EAN 13: 5413404321759

#### FIRE PERFORMANCE **CLASS**



Dca-s2,d2,a3

(F



#### 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



Max conductor temp.in service 90 °C

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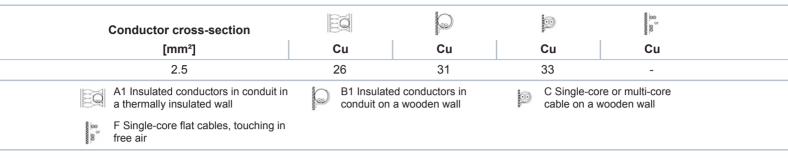
#### **CHARACTERISTICS**

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	2.5 mm <sup>2</sup>
Approximate weight	291 kg/km
Nominal outer diameter	13.3 mm
Average insulation thickness	0.7 mm
Nominal outer sheath thickness	1.8 mm
Electrical characteristics	
Loop resistance, max. at 20°C	7.41 Ohm/km
Permissible current rating in open air	32 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	0	Ó	©		
[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	
2.5	25	30	33	33	35	36	
A2 Multi-core cable in conduit i thermally insulated wall	na 向	B2 Multi-core cable in conduit on a wooden wall			C Single-core or cable on a woode	multi-core en wall	
D1 Multi-core cable in ducts in ground		D2 Multi-core cab buried directly in t		be	E Multi-core cabl	e in free air	

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

(	Conductor cross-section		$\bigcirc$	õ	$\odot$	$\overline{0}$	8	a or B	
	[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	Cu	
	2.5	23	28	28	30	30	-	-	
	A1 Insulated conductors in conductors in conductors in a thermally insulated wall	onduit 问	B1 Insulate wooden wa	d conductors i II	n conduit on a		Single or Mult lucts in the gro		
2000 C	C Single-core or multi-core c on a wooden wall	able	D2 Single o designed to ground	or Multi-core ca			Single-core tref ching in free a		
000000000	<ul> <li>F Single-core flat cables, tou</li> <li>in free air</li> </ul>	ching							

#### CURRENT CAPACITY TABLE PR THREE PHASE MULTICORE NL

Conductor cross-section		0	õ	0	(co	0	
[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	
2.5	22	26	28	30	30	32	
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 cables designed to be buried directly in the ground			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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