

Nexans Ref.: 10559852 EAN 13: 5413404321346

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

Operating temp. -20 ... 80 °C



Max conductor temp.in service 90 °C

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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.



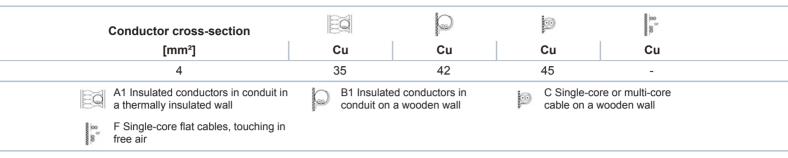
CHARACTERISTICS

Construction characteristics	
With Green/Yellow core	Yes
Core identification	Blue, brown, 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	3
Conductor cross-section	4 mm ²
Approximate weight	278 kg/km
Nominal outer diameter	12.5 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 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° 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		0	0	õ	©	0	
[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	
4	33	40	43	45	46	49	
A2 Multi-core cable in conduit i thermally insulated wall	A2 Multi-core cable in conduit in a for thermally insulated wall				C Single-core or multi-core cable on a wooden wall		
D1 Multi-core cable in ducts in ground		D2 Multi-core cables designed to be buried directly in the ground			E Multi-core cabl	e in free air	

CURRENT CAPACITY TABLE PR THREE PHASE SINGLE CORE

Cor	iductor cross-section		Q	õ	00	(co	æ	ico B	
	[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	Cu	
	4	31	37	40	36	39	-	-	
	A1 Insulated conductors in c in a thermally insulated wall	onduit	B1 Insulate wooden wa	ed conductors in all	n conduit on a		Single or Mult ducts in the gro		
0	C Single-core or multi-core c on a wooden wall	able	D2 Single or Multi-core cables designed to be buried directly in the ground				Single-core tref uching in free a		
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	S	9	(co	0	
[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	
4	30	35	36	40	39	42	
A2 Multi-core cable in conduit in thermally insulated wall		B2 Multi-core cat wooden wall	ole in conduit on		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 cable in free air		

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SELLING AND DELIVERY INFORMATION

Marking

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

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