

YMvK Dca-s2 0.6/1 kV Easy Strippable 3G2.5 MM2



Nexans Ref.: 10559857 EAN 13: 5413404321391

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



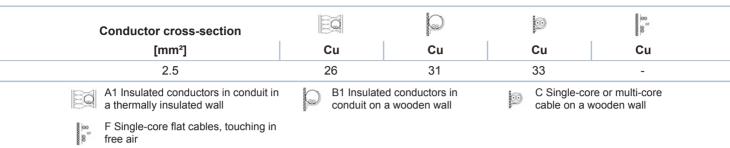
CHARACTERISTICS

Construction characteristics	
With Green/Yellow core	Yes
Core identification Blue, brown	n, green/yellow
Sheath colour	Grey
Conductor shape	Round solid
Conductor material	Bare copper
Insulation	.PE (chemical)
Protection	Filler
Outer sheath	PVC
Conductor flexibility	Solid class 1
Lead free	Yes
Dimensional characteristics	
Number of cores	3
Conductor cross-section	2.5 mm ²
Approximate weight	213 kg/km
Nominal outer diameter	11.7 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 meth	od A, for 720h
Usage characteristics Field of application Bending factor when laying One single bending at each end minimum Minimum installation temperature Operating temperature, range Max. conductor temperature in service Packaging	10 (xD 8 (xD 0 °C -20 80 °C 90 °C



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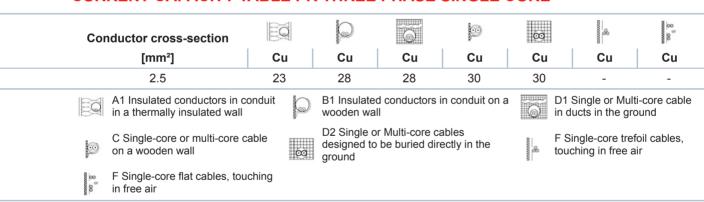
CURRENT CAPACITY TABLE PR SINGLE PHASE SINGLE CORE



CURRENT CAPACITY TABLE PR SINGLE PHASE MULTICORE

Conductor cross-section [mm²]	Cu	Cu	© Cu	© Cu	© Cu	Cu
2.5	25	30	33	33	35	36
A2 Multi-core cable in conduit in thermally insulated wall	8.60	B2 Multi-core cable in conduit on a wooden wall		(f • (•))	C Single-core or multi-core cable on a wooden wall	
D1 Multi-core cable in ducts in ground	111111111111111111111111111111111111111	D2 Multi-core cab buried directly in t		be 😡 I	E Multi-core cabl	e in free air

CURRENT CAPACITY TABLE PR THREE PHASE SINGLE CORE



CURRENT CAPACITY TABLE PR THREE PHASE MULTICORE NL

Conductor cross-section			6	⊙	63	⊚
[mm²]	Cu	Cu	Cu	Cu	Cu	Cu
2.5	22	26	28	30	30	32
A2 Multi-core cable in conduit in thermally insulated wall		B2 Multi-core cal wooden wall	ble in conduit on	-	D1 Multi-core ca the ground	ble in ducts in
C Single-core or multi-core cabl on a wooden wall		D2 Multi-core cal buried directly in	bles designed to the ground	be 🔯 I	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