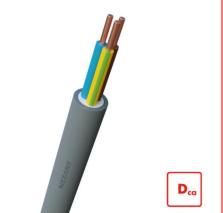


YMvK Dca-s2 0.6/1 kV Easy Strippable 3G6 MM2



Nexans Ref.: 10559871 EAN 13: 5413404321537

### **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



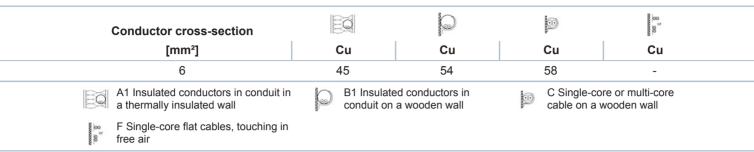
## **CHARACTERISTICS**

Construction characteristics	
With Green/Yellow core	Yes
Core identification	Blue, brown, 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	6 mm²
Approximate weight	353 kg/km
Nominal outer diameter	13.5 mm
Average insulation thickness	0.7 mm
Nominal outer sheath thickness	1.8 mm
Electrical characteristics	
Loop resistance, max. at 20°C	3.08 Ohm/km
Permissible current rating in open air	54 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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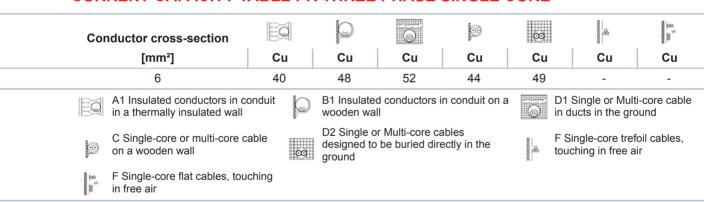
## **CURRENT CAPACITY TABLE PR SINGLE PHASE SINGLE CORE**



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

Conductor cross-section [mm²]	Cu	Cu	© Cu	<b>C</b> u	© Cu	Cu
6	42	51	53	58	58	53
A2 Multi-core cable in conduit i thermally insulated wall	in a	B2 Multi-core cab wooden wall	ole in conduit on	<b>□</b> • ( • ))	C Single-core or cable on a woode	
D1 Multi-core cable in ducts in ground	1111111111	D2 Multi-core call buried directly in		be	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 [mm²]	Cu	Cu	Cu	© Cu	⊚ Cu	Cu
6	38	44	52	44	49	54
A2 Multi-core cable in conduit in thermally insulated wall	n a	B2 Multi-core cable in conduit on a wooden wall		-	D1 Multi-core cable in ducts in the ground	
C Single-core or multi-core cab on a wooden wall		D2 Multi-core ca buried directly in		be	E Multi-core cab	ole in free air



# **SELLING AND DELIVERY INFORMATION**

# Marking

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