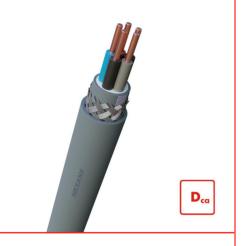
## VO-YMVKas Dca-s2 0.6/1 kV VO-YMVKas Dca-s2 0.6/1 kV



Nexans Ref.: 10559882 EAN 13: 5413404321643

#### **FIRE PERFORMANCE CLASS**



Dca-s2,d2,a3



PEP eco PASS PORT

#### CONTACT

Product Management service.nnl@nexans.com

#### VO-YMvKas Dca-s2 is a braided power cable according to fire classification Dcas2,d2,a3 for connection in low voltage installation up to 0.6/1 kV.

#### **STANDARDS**

Product HD 604.4D; IEC 60228

Test KEMA 42 C-1-4-D

#### **KEY CHARACTERISTICS**

Dimensional characteristics	
Conductor cross-section	4 mm <sup>2</sup>
Number of cores	5
Cross-section of the protection cores	4 mm <sup>2</sup>

#### **APPLICATIONS**

VO-YMvKas Dca-s2 0.6/1 kVis a braided power cable according to fire classification Dca-s2.d2,a3 for usage in low voltage installations up to 0.6/1 kV in housing, residential and similar installations with a medium fire hazard level. VO-YMvKas Dca-s2 is suitable for direct burial and is advised if protection against mechanical damage and EMI is demanded. This cable has a reduced propagation of fire in cable bundles.

#### Design

- 1. Conductor: Bare copper, solid, class1
- 2. Insulation: XLPE
- 3. Inner covering: PVC
- 4. Armour: Galvanized steel wire braiding with an underlaying drainwire of tinned copper
- 5. Outer sheath: PVC Colour: grey UV resistance: Yes

#### **CORE IDENTIFICATION**

2 cores : brown - blue 3 cores : brown - black - grey 4 cores : brown - blue - black - grey

5 cores : black - blue - brown - black - grey



Conductor flexibility Solid class 1



(Um)

0,6/1 kV

I ead free

Yes

Rated Voltage Uo/U Mechanical resistance to impacts Excellent



temp.in service

90 °C

Minimum installation

temperature 0 °C





Electro magnetic interference resistance

Yes

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#### **CHARACTERISTICS**

Construction characteristics	
Conductor material	Bare copper
Conductor flexibility	Solid class 1
Conductor shape	Round solid
Insulation	XLPE (chemical)
Core identification	Blue, brown, black, grey, black
Inner sheath	PVC
Armour type	Galvanized steel wire braiding
Outer sheath	PVC
Sheath colour	Grey
Lead free	Yes
With Green/Yellow core	No
Dimensional characteristics	
Conductor cross-section	4 mm²
Number of cores	5
Cross-section of the protection cores	4 mm²
Nominal outer diameter	17.1 mm
Approximate weight	546 kg/km
Average insulation thickness	0.7 mm
Inner sheath thickness	0.8 mm
Diameter over filler / inner sheath	12.0 mm
Armour thickness	0.3 mm
Nominal outer sheath thickness	1.8 mm
Electrical characteristics	
DC permissible current rating	37 A
Loop resistance, max. at 20°C	4.61 Ohm/km
Rated Voltage Uo/U (Um)	0,6/1 kV
Mechanical characteristics	
Mechanical resistance to impacts	Excellent
Usage characteristics	
Field of application	-
One single bending at each end minimum	8 (xD)
Max. conductor temperature in service	90 °C
Minimum installation temperature	0°C
Operating temperature, range	-20 80 °C
Electro magnetic interference resistance	Yes
U.V resistance	EN 50289-4-17 method A, for 720h

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# VO-YMvKas Dca-s2 0.6/1 kV VO-YMvKas Dca-s2 0.6/1 kV

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

	Conductor cross-section		0	0	õ	(co	0	
	[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	
	4	33	40	43	45	46	49	
14.444	A2 Multi-core cable in conduit i thermally insulated wall	na 向 B w	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 cables designed to be buried directly in the ground			E Multi-core cable	e in free air	

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

Conductor cross-section [mm²]	Cu	Cu	j © Cu	Cu	
4	35	42	45	-	
A1 Insulated conductors in conduit in a thermally insulated wall	B1 Insulate conduit on	ed conductors in a wooden wall	C Single-co cable on a	re or multi-core wooden wall	
F Single-core flat cables, touching in					

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

Co	nductor cross-section		0		$\odot$	œ	0	
	[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	
	4	30	35	36	40	39	42	
	A2 Multi-core cable in conduit i thermally insulated wall	na 闷 E	a B2 Multi-core cable in conduit on a wooden wall			D1 Multi-core ca the ground	able 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	ole in free air	

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

Conductor cross-section [mm²]	Cu	Cu	Cu	© Cu	Cu	Cu	Cu	
4	31	37	40	36	39	-	-	
A1 Insulated conductors in in a thermally insulated wa	conduit	B1 Insulate wooden wa	d conductors i	n conduit on a		Single or Mult ducts in the gro		
C Single-core or multi-core on a wooden wall	cable	D2 Single of designed to ground	or Multi-core ca			Single-core tref ching in free a		
F Single-core flat cables, to	ouching							

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#### SELLING AND DELIVERY INFORMATION

#### Marking

VO-YMvKas Dca n x s mm<sup>2</sup> NEXANS BENELUX **KEMA KEUR** Meter Marking

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