## VO-YMvKas Dca-s2 0.6/1 kV VO-YMvKas Dca-s2 0.6/1 kV 4X1.5 MM2



Nexans Ref.: 10559844 EAN 13: 5413404321261

#### **FIRE PERFORMANCE CLASS**



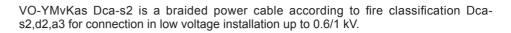
Dca-s2,d2,a3



PEP eco PASS PORT

#### CONTACT

Product Management service.nnl@nexans.com



#### **STANDARDS**

Product HD 604.4D; IEC 60228

Test KEMA 42 C-1-4-D

#### **KEY CHARACTERISTICS**

Dimensional characteristics	
Conductor cross-section	1.5 mm²
Number of cores	4
Cross-section of the protection cores	1.5 mm²

#### **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)

I ead free

Yes

Rated Voltage Uo/U Mechanical resistance to 0,6/1 kV impacts Excellent



Max.conductor temp.in service 90 °C



installation

temperature 0 °C



Electro magnetic interference resistance Yes

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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	
Conductor material	Bare copper
Conductor flexibility	Solid class 1
Conductor shape	Round solid
Insulation	XLPE (chemical)
Core identification	Blue, brown, black, grey
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	1.5 mm²
Number of cores	4
Cross-section of the protection cores	1.5 mm²
Nominal outer diameter	13.9 mm
Approximate weight	316 kg/km
Average insulation thickness	0.7 mm
Inner sheath thickness	0.8 mm
Diameter over filler / inner sheath	9.0 mm
Armour thickness	0.3 mm
Nominal outer sheath thickness	1.8 mm
Electrical characteristics	
DC permissible current rating	22 A
Loop resistance, max. at 20°C	12.1 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°0
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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#### **CURRENT CAPACITY TABLE PR SINGLE PHASE MULTICORE**

Conductor cross-section		0	0	õ	(co	0	
[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	
1.5	19	22	25	24	27	26	
A2 Multi-core cable in conduit i thermally insulated wall		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		2 Multi-core cal uried directly in	bles designed to b the ground	e	E Multi-core cable	e in free air	

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

Conductor cross-section			9	8000 800 800	
[mm²]	Cu	Cu	Cu	Cu	
1.5	19	23	24	-	
A1 Insulated conductors in conduit in a thermally insulated wall	B1 Insulate conduit on	ed conductors in a wooden wall	C Single-con cable on a v	re or multi-core vooden wall	
F Single-core flat cables, touching in free air					

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

Co	onductor cross-section		0	S	0	(co	0	
	[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	
	1.5	17	20	21	22	23	23	
	A2 Multi-core cable in conduit i thermally insulated wall	na 😡	B2 Multi-core cal wooden wall	ble in conduit on		D1 Multi-core ca the ground	able in ducts in	
0	C Single-core or multi-core cat on a wooden wall	ble	D2 Multi-core ca buried directly in	bles designed to the ground	be	E Multi-core cab	ole in free air	

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

Cor	iductor cross-section		$\bigcirc$	õ	9	63	e e e e e e e e e e e e e e e e e e e	800 or	
	[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	Cu	
	1.5	17	20	21	22	23	-	-	
	A1 Insulated conductors in c in a thermally insulated wall	onduit	B1 Insulate wooden wa		n conduit on a		Single or Mult ducts in the gro		
3	C Single-core or multi-core c on a wooden wall	able		r Multi-core ca be buried dire			Single-core tref		
log or	F Single-core flat cables, tou in free air	ching							

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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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