VO-YMvKas Dca-s2 0.6/1 kV VO-YMvKas Dca-s2 0.6/1 kV 4X4 MM2



Nexans Ref.: 10559849 EAN 13: 5413404321315

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 ²
Number of cores	4
Cross-section of the protection cores	4 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

Mechanical

impacts

Excellent

resistance to

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



I ead free

Yes

Rated Voltage Uo/U (Um) 0,6/1 kV



90 °C

Max.conductor temp.in service



installation

temperature 0 °C



Operating temp. -20 ... 80 °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	4 mm²
Number of cores	4
Cross-section of the protection cores	4 mm²
Nominal outer diameter	16.1 mm
Approximate weight	479 kg/km
Average insulation thickness	0.7 mm
Inner sheath thickness	0.8 mm
Diameter over filler / inner sheath	11.0 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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CURRENT CAPACITY TABLE PR SINGLE PHASE MULTICORE

Conductor cross-section	Cu		Cu	Cu		0	
[mm²] 4	33	Cu 40	43	45	Cu 46	Cu 49	
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 wood	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 cabl	e in free air	

CURRENT CAPACITY TABLE PR SINGLE PHASE SINGLE CORE

Conductor cross-section		Q	ø	8 or 900	
[mm²]	Cu	Cu	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 v	re or multi-core wooden wall	
F Single-core flat cables, touching in free air					

CURRENT CAPACITY TABLE PR THREE PHASE MULTICORE NL

Cond	ductor cross-section		0	Ś	\odot	(co	0	
	[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	
	4	30	35	36	40	39	42	
A tr	2 Multi-core cable in conduit ir hermally insulated wall		B2 Multi-core cat wooden wall	ole in conduit on		D1 Multi-core ca the ground	able in ducts in	
	C Single-core or multi-core cabl n a wooden wall		D2 Multi-core cables designed to be buried directly in the ground			E Multi-core cab	ole in free air	
E tr	hermally insulated wall C Single-core or multi-core cabl		wooden wall			the ground		

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 mm² NEXANS BENELUX **KEMA KEUR** Meter Marking

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