VO-YMyKas Dca-s2 0.6/1 kV 4X6 MM2

Contact

Product Management service.nnl@nexans.com

Nexans Ref.: 10559884 EAN 13: 5413404321667

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.

DESCRIPTION

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 Dcas2 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 Inner covering: PVC

4. Armour: Galvanized steel wire braiding with an underlaying drainwire of tinned

5. Outer sheath: PVC Colour: grey UV resistance: Yes



DECLARATION OF PERFORMANCE

Dca-s2,d2,a3

STANDARDS

International HD 604.4D; IEC 60228

National KEMA 42 C-1-4-D



Conductor flexibility



Lead free



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



Mechanica resistance to impacts Excellent



Max.conductor temp.in service



Minimum installation temperature



Operating temp. -20 ... 80 °C



Electro magnetic interference resistance

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.









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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
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	
Number of cores	4
Conductor cross-section	6 mm²
Nominal outer diameter	17.2 mm
Approximate weight	605 kg/km
Cross-section of the protection cores	6 mm²
Average insulation thickness	0.7 mm
Inner sheath thickness	0.8 mm
Diameter over filler / inner sheath	12.1 mm
Armour thickness	0.3 mm
Nominal outer sheath thickness	1.8 mm
Electrical characteristics	
DC permissible current rating	46 A
Loop resistance, max. at 20°C	3.08 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



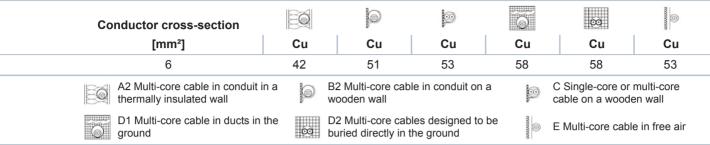
EN 50289-4-17 method A, for 720h

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CURRENT CAPACITY TABLE PR SINGLE PHASE MULTICORE



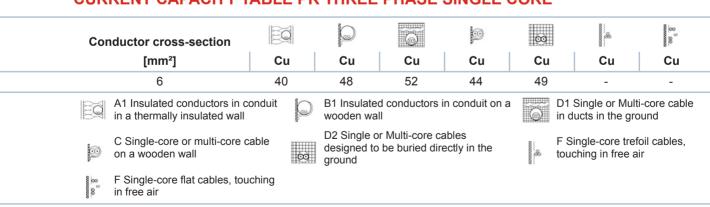
CURRENT CAPACITY TABLE PR SINGLE PHASE SINGLE CORE

Conductor cross-section [mm²]	Cu	Cu	ጮ Cu	© Cu
6	45	54	58	-
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	ore or multi-core wooden wall
F Single-core flat cables, touching in free air				

CURRENT CAPACITY TABLE PR THREE PHASE MULTICORE NL

Co	nductor 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 call wooden wall	ole in conduit on	11112	D1 Multi-core ca the ground	able in ducts in
	C Single-core or multi-core cabl on a wooden wall		D2 Multi-core call buried directly in		be	E Multi-core cat	ole in free air

CURRENT CAPACITY TABLE PR THREE PHASE SINGLE CORE



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SELLING AND DELIVERY INFORMATION

Marking

VO-YMvKas Dca n x s mm² **NEXANS BENELUX** KEMA KEUR Meter Marking



