

Nexans Ref.: 10559876 EAN 13: 5413404321582

FIRE PERFORMANCE CLASS



Dca-s2,d2,a3





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 4 mm² Conductor cross-section Number of cores 2 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
- Armour: Galvanized steel wire braiding with an underlaying drainwire of tinned 4. 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



I ead free Yes



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



Mechanical resistance to impacts Excellent



Max.conductor temp.in service



Minimum installation temperature



Operating temp



Electro magnetic interference resistance



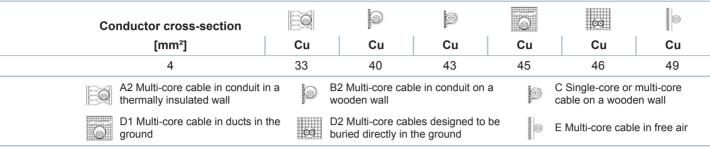
CHARACTERISTICS

Construction characteristics	
Conductor material	Bare copper
Conductor flexibility	Solid class 1
Conductor shape	Round solid
Insulation	XLPE (chemical)
Core identification	Blue, brown
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	2
Cross-section of the protection cores	4 mm²
Nominal outer diameter	14.6 mm
Approximate weight	373 kg/km
Average insulation thickness	0.7 mm
Inner sheath thickness	0.8 mm
Diameter over filler / inner sheath	9.4 mm
Armour thickness	0.3 mm
Nominal outer sheath thickness	1.8 mm
Electrical characteristics	
DC permissible current rating	44 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

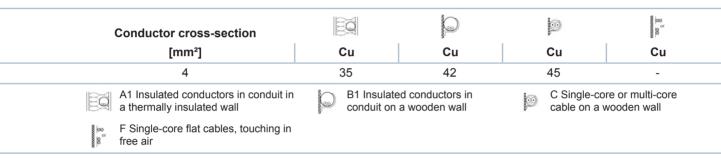


VO-YMvKas Dca-s2 0.6/1 kV 2X4 MM2

CURRENT CAPACITY TABLE PR SINGLE PHASE MULTICORE



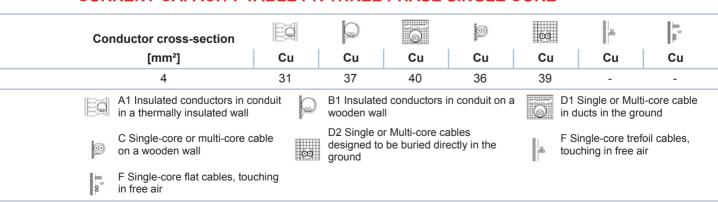
CURRENT CAPACITY TABLE PR SINGLE PHASE SINGLE CORE



CURRENT CAPACITY TABLE PR THREE PHASE MULTICORE NL

Conductor cross-section					60	®
[mm²]	Cu	Cu	Cu	Cu	Cu	Cu
4	30	35	36	40	39	42
A2 Multi-core cable in conduit in thermally insulated wall	na 🍃 l	B2 Multi-core cat wooden wall	ole in conduit on	1111/	D1 Multi-core ca the ground	able in ducts in
C Single-core or multi-core cab on a wooden wall		D2 Multi-core cal buried directly in		be	E Multi-core cab	ole in free air

CURRENT CAPACITY TABLE PR THREE PHASE SINGLE CORE





SELLING AND DELIVERY INFORMATION

Marking

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