

Nexans Ref.: 10559891 EAN 13: 5413404321735

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 2.5 mm² Conductor cross-section Number of cores 3 Cross-section of the protection cores 2.5 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
- 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

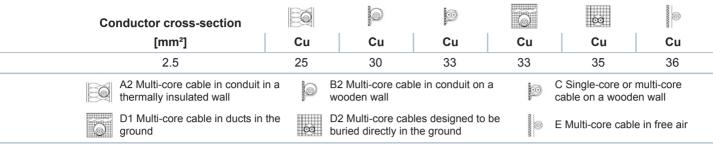
Construction characteristics	
Conductor material	Bare copper
Conductor flexibility	Solid class 1
Conductor shape	Round solid
Insulation	XLPE (chemical)
Core identification	Brown, black, grey
Inner sheath	PVC
Armour type	Galvanized steel wire braiding
Outer sheath	PVC
Sheath colour	Grey
Lead free	Yes
With Green/Yellow core	No
Dimensional characteristics	
Conductor cross-section	2.5 mm ²
Number of cores	3
Cross-section of the protection cores	2.5 mm ²
Nominal outer diameter	14.1 mm
Approximate weight	334 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	29 A
Loop resistance, max. at 20°C	7.41 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

VO-YMvKas Dca-s2 0.6/1 kV 3X2.5 MM2

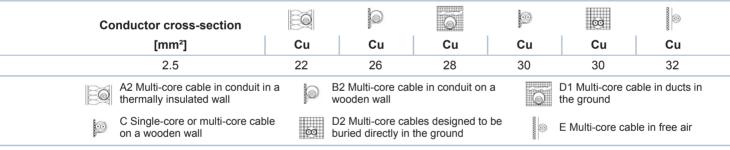
CURRENT CAPACITY TABLE PR SINGLE PHASE MULTICORE



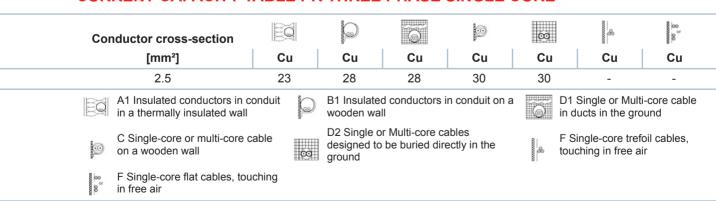
CURRENT CAPACITY TABLE PR SINGLE PHASE SINGLE CORE

	Conductor cross-section [mm²]	Cu	Cu		© Cu	‱ ⊗°′ Cu	
	2.5	26	31		33	-	
	A1 Insulated conductors in conduit in a thermally insulated wall	B1 Insulated conductors in conduit on a wooden wall		C Single-c 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



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