

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



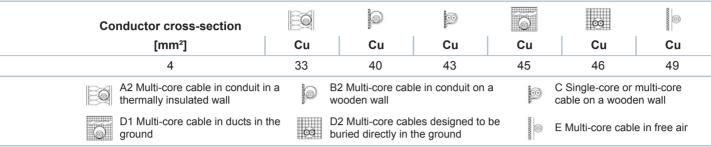
CHARACTERISTICS

Constru	ction characteristics	
Condu	uctor material	Bare copper
Condu	uctor flexibility	Solid class 1
Condu	uctor shape	Round solid
Insula	tion	XLPE (chemical)
Core i	dentification	Blue, brown
Inner	sheath	PVC
Armou	ur type	Galvanized steel wire braiding
Outer	sheath	PVC
Sheat	h colour	Grey
Lead f	ree	Yes
With G	Green/Yellow core	No
Dimensi	onal characteristics	
Condu	uctor cross-section	4 mm²
Numb	er of cores	2
Cross	-section of the protection cores	4 mm²
Nomir	nal outer diameter	14.6 mm
Appro	ximate weight	373 kg/km
Avera	ge insulation thickness	0.7 mm
Inner	sheath thickness	0.8 mm
Diame	eter over filler / inner sheath	9.4 mm
Armou	ur thickness	0.3 mm
Nomir	nal outer sheath thickness	1.8 mm
Electrica	al characteristics	
DC pe	ermissible current rating	44 A
Loop r	resistance, max. at 20°C	4.61 Ohm/km
Rated	Voltage Uo/U (Um)	0,6/1 kV
Mechani	cal characteristics	
Mecha	anical resistance to impacts	Excellent
Usage c	haracteristics	
Field o	of application	-
One s	ingle bending at each end minimum	8 (xD)
Max. o	conductor temperature in service	90 °C
Minim	um installation temperature	0 °C
Opera	ting temperature, range	-20 80 °C
Electro	o magnetic interference resistance	Yes
U.V re	esistance	EN 50289-4-17 method A, for 720h

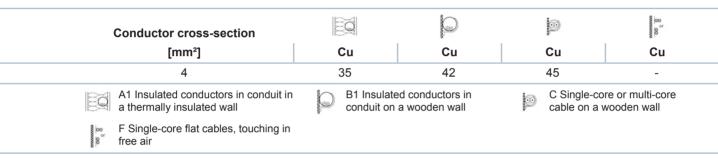


VO-YMvKas Dca-s2 0.6/1 kV 2X4 MM2

CURRENT CAPACITY TABLE PR SINGLE PHASE MULTICORE



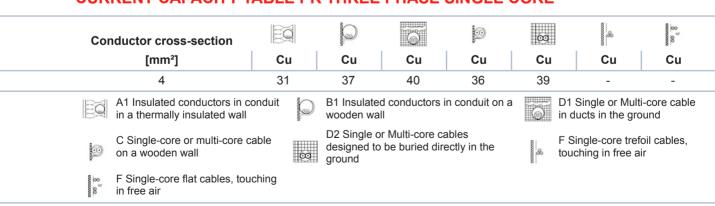
CURRENT CAPACITY TABLE PR SINGLE PHASE SINGLE CORE



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	1111/2/1111	D1 Multi-core ca the ground	able in ducts in
C Single-core or multi-core cable 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