

Nexans Ref.: 10559840 EAN 13: 5413404321223

#### **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** 1.5 mm<sup>2</sup> Conductor cross-section Number of cores 3 Cross-section of the protection cores 1.5 mm<sup>2</sup>

#### **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**

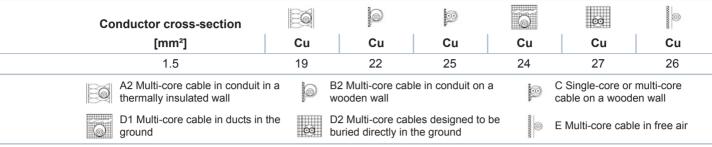
Construction characteristics	
Conductor material	Bare copper
Conductor flexibility	Solid class 1
Conductor shape	Round solid
Insulation	XLPE (chemical)
Core identification	Brown, black, grey
Inner sheath	PVC
Armour type	Galvanized steel wire braiding
Outer sheath	PVC
Sheath colour	Grey
Lead free	Yes
With Green/Yellow core	No
Dimensional characteristics	
Conductor cross-section	1.5 mm²
Number of cores	3
Cross-section of the protection cores	1.5 mm²
Nominal outer diameter	13.2 mm
Approximate weight	290 kg/km
Average insulation thickness	0.7 mm
Inner sheath thickness	0.8 mm
Diameter over filler / inner sheath	8.2 mm
Armour thickness	0.3 mm
Nominal outer sheath thickness	1.8 mm
Electrical characteristics	
DC permissible current rating	22 A
Loop resistance, max. at 20°C	12.1 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 3X1.5 MM2

## **CURRENT CAPACITY TABLE PR SINGLE PHASE MULTICORE**



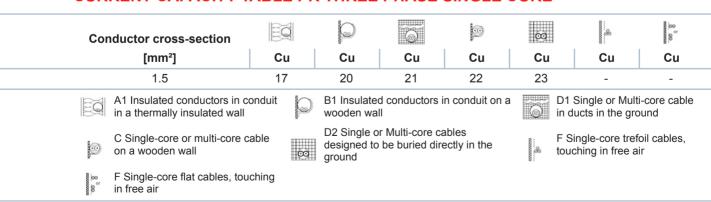
#### **CURRENT CAPACITY TABLE PR SINGLE PHASE SINGLE CORE**

Conductor cross-section [mm²]		Cu		Cu		© Cu	© Cu	
	1.5	19		23		24	-	
	A1 Insulated conductors in conduit in a thermally insulated wall	B1 Insulate conduit on		ed conductors in a wooden wall	C Sii	C Single-co cable on a v	gle-core or multi-core on a wooden wall	
000 or	F Single-core flat cables, touching in free air							

#### CURRENT CAPACITY TABLE PR THREE PHASE MULTICORE NL

Conductor cro	1	Cu	Cu	© Cu	© Cu	Cu
1.5	17	20	21	22	23	23
A2 Multi-core thermally insi	e cable in conduit in a ulated wall	B2 Multi-core wooden wall	e cable in conduit or		D1 Multi-core ca the ground	able in ducts in
C Single-core on a wooden	e or multi-core cable wall		e cables designed to ly in the ground	o 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