

VG-YMvKas Dca-s2 / VG-YMvKas Dca-s2 FLEX 0.6/1 kV

VG-YMvKas Dca-s2 0.6/1kV 3x10 mm2



Nexans Ref.: 10560004 EAN 13: 5413404322855

FIRE PERFORMANCE CLASS



Dca-s2,d2,a3





CONTACT

Product Management service.nnl@nexans.com

VG-YMvKas Dca is an armoured power cable according to fire classification Dcas2,d2,a3 for connection in low voltage installation up to 0.6/1 kV. VG-YMvKas Dca Flex is provided with conductors having increased bendability (FLEX)

STANDARDS

Product HD 604.4D; IEC 60228

Test KEMA 42 C-1-4-D

KEY CHARACTERISTICS

Construction characteristics Core identification Brown, black, grey Dimensional characteristics Number of cores 3 Conductor cross-section 10 mm² Cross-section of the protection cores 10 mm²

APPLICATIONS

VG-YMvKas Dcais an armoured power cable according to fire classification Dcas2,d2,a3 for usage in low voltage installations up to 0.6/1 kV in housing, residential and simular installations with a medium fire hazard level. **VG-YMvKas Dca** 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 bunches

Available from 35 mm2: **VG-YMvKas Dca Flex**, provided with conductors having increased bendability.

DESIGN

1. Conductor

Bare copper, stranded, class 2

Insulation: XLPE

2. Inner covering

PVC with filler extruded or PET foil for more 5 cond and sector shaped types

3. Armoui

Galvanized steel wires and bare copper wire or Flat steel wires and flat bare copper wires covered with an open counter spiral of galvanized steel tape

4. Outer sheath

PVC Colour: grey

UV resistance: Yes



Conductor flexibility Stranded class 2



Lead free Yes



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



Mechanical resistance to impacts Excellent



Bending factor when laying 16 (xD)



Minimum installation temperature 0 °C



Operating temp



temp.in service



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CHARACTERISTICS

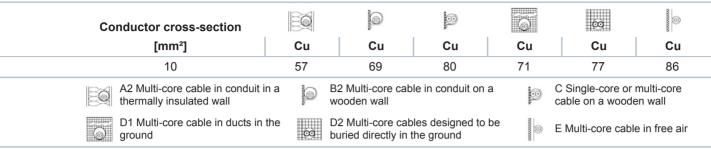
Construction characteristics			
Conductor flexibility	Stranded class 2		
Conductor shape	Round, stranded		
Conductor material	Bare copper		
Insulation	XLPE (chemical)		
Core identification	Brown, black, grey		
Inner sheath	Extruded inner covering		
Armour type	Galvanized steel wires		
Outer sheath	PVC		
Sheath colour	Grey		
Lead free	Yes		
With Green/Yellow core	No		
Dimensional characteristics			
Number of cores	3		
Conductor cross-section	10 mm²		
Nominal outer diameter	22.7 mm		
Approximate weight	1107 kg/km		
Cross-section of the protection cores	10 mm²		
Average insulation thickness	0.7 mm		
Inner sheath thickness	0.8 mm		
Armour thickness	1.2 mm		
Nominal outer sheath thickness	1.8 mm		
Electrical characteristics			
DC permissible current rating	65 A		
Loop resistance, max. at 20°C	1.83 Ohm/km		
Rated Voltage Uo/U (Um)	0,6/1 kV		
Mechanical characteristics			
Mechanical resistance to impacts	Excellent		
Usage characteristics			
Bending factor when laying	16 (xD)		
One single bending at each end minimum	8 (xD)		
Minimum installation temperature	0 °C		
Operating temperature, range	-20 80 °C		
Max. conductor temperature in service	90 °C		
Electro magnetic interference resistance	Yes		
U.V resistance	EN 50289-4-17 method A, for 720h		



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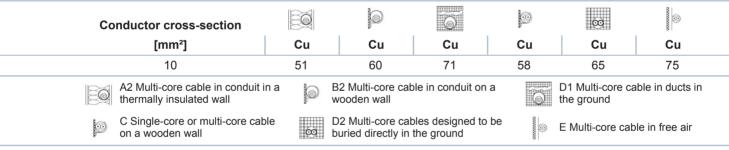
CURRENT CAPACITY TABLE PR SINGLE PHASE MULTICORE



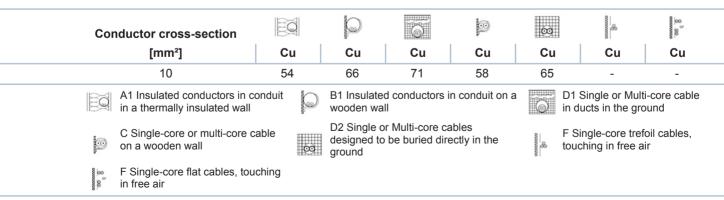
CURRENT CAPACITY TABLE PR SINGLE PHASE SINGLE CORE

Conductor cross-section [mm²]	Cu	Cu	© Cu	© © © © © © © © © © © © © © © © © © ©
10	61	75	80	-
A1 Insulated conductors in conduit in a thermally insulated wall	B1 Insulated conductors in conduit on a wooden wall		C Single-core or multi-core cable on a 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





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SELLING AND DELIVERY INFORMATION

Marking

VG-YMvKas Dca n x s NEXANS BENELUX KEMA KEUR Meter Marking