

PVC Insulated Single Core

CU CONDUIT 6 BK V75 1HM

Nexans Ref.: BAAP11A1001AABK

EAN 13: 9319215007980

6mm² PVC Building Wire Black

DESCRIPTION

Single Core Building Wires

- Single core,
- 0.6/1kV V-90 insulated,
- to AS/NZS 5000.1 (unsheathed),
- Copper conductors, 90°C.



STANDARDS

National AS/NZS 1125; AS/NZS 5000.1



Conductor flexibility
Solid class 1



Rated Voltage U₀/U (U_m)
0.6/1 kV



Cable flexibility
Rigid

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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CHARACTERISTICS

Construction characteristics

Colour	Black
Conductor flexibility	Solid class 1
Conductor material	Copper
Insulation	V-90
Type of conductor	Stranded copper
With Green/Yellow core	No
With smaller neutral conductor	No

Dimensional characteristics

Approximate weight	7.1 kg/100m
Cable length	100 m
Conductor cross-section	6 mm ²
Neutral conductor section (when smaller)	- mm ²
Nominal insulation thickness	1.0 mm
Nominal overall diameter	5.1 mm
Number of cores	1

Electrical characteristics



















Conductor AC resistance at 50 Hz	3.75 Ohm/km
Inductive reactance at 50Hz - flat touching	0.143 Ohm/km
Inductive reactance at 50Hz - trefoil	0.128 Ohm/km
Insulation resistance at 20°C	8.6 MOhm.km
Max. DC resistance of the conductor at 20°C	3.08 Ohm/km
Rated Voltage U ₀ /U (U _m)	0.6/1 kV

Mechanical characteristics

Cable flexibility	Rigid
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PVC INSULATED - CURRENT CARRYING CAPACITY TABLE SINGLE PHASE (IN AMPS)

Copper Conductor Insulation PVC Maximum Conductor Temperature 75C

Conductor cross-section [mm ²]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
6	51	49	40	41	33	20	52	58
 Unenclosed spaced	 Unenclosed spaced from surface			 Unenclosed touching				
 Enclosed conduit in air	 Thermal insulation, partially surrounded by thermal insulation			 Thermal Insulation, completely surrounded by thermal insulation				
 Underground ducts A -  Underground Wiring Enclosure	 Underground ducts B - Individual  Wiring Enclosure							

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














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PVC INSULATED - CURRENT CARRYING CAPACITY TABLE THREE PHASE (IN AMPS)

Copper Conductor Insulation PVC Maximum Conductor Temperature 75C

Conductor cross-section [mm²]								
	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu
6	49	42	40	35	28	20	45	53
 Unenclosed spaced	 Unenclosed spaced from surface				 Unenclosed touching			
 Enclosed conduit in air	 Thermal insulation, partially surrounded by thermal insulation				 Thermal Insulation, completely surrounded by thermal insulation			
 Underground ducts A - Underground Wiring Enclosure	 Underground ducts B - Individual Wiring Enclosure							

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