

PVC Insulated Single Core

16mm² PVC Building Wire Blue

Nexans Ref.: BAAP15A1001AABE

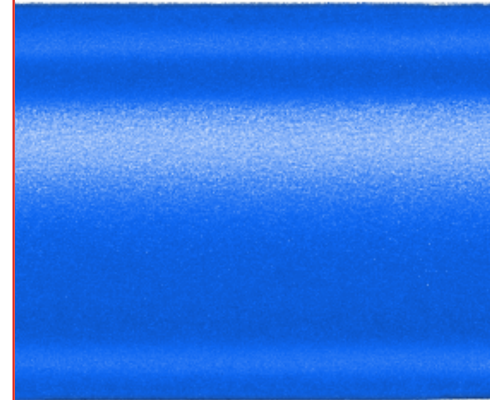
EAN 13: 9319215008697

16mm² PVC Building Wire Blue

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 (Um)
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	Blue
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	17.0 kg/100m
Cable length	100 m
Conductor cross-section	16 mm ²
Neutral conductor section (when smaller)	- mm ²
Nominal insulation thickness	1.0 mm
Nominal overall diameter	6.9 mm
Number of cores	1

Electrical characteristics





















Conductor AC resistance at 50 Hz	1.4 Ohm/km
Inductive reactance at 50Hz - flat touching	0.126 Ohm/km
Inductive reactance at 50Hz - trefoil	0.111 Ohm/km
Insulation resistance at 20°C	6 MOhm.km
Max. DC resistance of the conductor at 20°C	1.15 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
16	92	89	72	70	56	36	89	99
 Unenclosed spaced	 Unenclosed spaced from surface		 Unenclosed touching		 Thermal insulation, partially surrounded by thermal insulation		 Thermal insulation, completely surrounded by thermal insulation	
 Enclosed conduit in air	 Thermal insulation, partially surrounded by thermal insulation		 Thermal insulation, completely surrounded by thermal insulation		 Underground ducts A - Individual Wiring Enclosure		 Underground ducts B - Individual Wiring Enclosure	
 Underground ducts A - Individual 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	
16	89	77	72	62	50	36	78	90
 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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