

PVC Insulated Single Core

10mm² PVC Building Wire Blue 100m

Contact

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Nexans Ref.: BAAP13A1001AABE

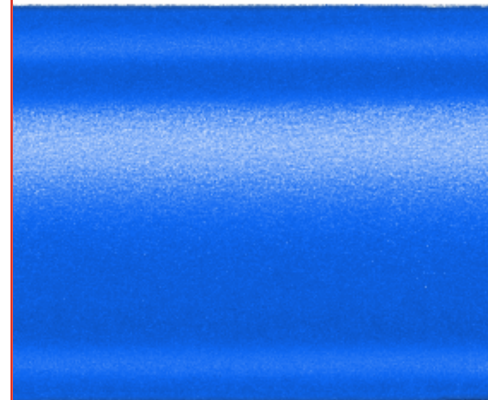
EAN 13: 9319215008376

10mm² 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
Class 2



Rated Voltage U₀/U (Um)
0,6/1 kV



Cable flexibility
Rigid

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CHARACTERISTICS

Construction characteristics

Colour	Blue
Conductor flexibility	Class 2
Conductor material	Copper
Conductor shape	Circular
Insulation	V-90
Type of conductor	Stranded copper
With Green/Yellow core	No

Dimensional characteristics

Approximate weight	11.1 kg/100m
Cable length	100 m
Conductor cross-section	10 mm ²
Neutral conductor section (when smaller)	- mm ²
Nominal insulation thickness	1.0 mm
Nominal overall diameter	6.0 mm
Number of cores	1

Electrical characteristics

Conductor AC resistance at 50 Hz	2.23 Ohm/km
Inductive reactance at 50Hz - flat touching	0.134 Ohm/km
Inductive reactance at 50Hz - trefoil	0.118 Ohm/km
Insulation resistance at 20°C	7.2 MOhm.km
Max. DC resistance of the conductor at 20°C	1.83 Ohm/km
Rated Voltage U ₀ /U (U _m)	0,6/1 kV

Mechanical characteristics

Cable flexibility	Rigid
Maximum Pulling Tension	0.7 kN

Usage characteristics

Minimum Bend Radius - During Installation (under Tension)	36 mm
Minimum Bend Radius - Installed	24 mm

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










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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
10	69	67	54	54	44	27	69	77
 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	

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

Copper Conductor Insulation PVC Maximum Conductor Temperature 75C

Conductor cross-section [mm ²]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
10	67	58	54	47	37	27	59	70
 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	