

PVC Insulated Single Core

1.5mm² PVC Building Wire Black 100m

Contact

Internal Sales
Phone: 1300 CABLES
olex.csquotes@nexans.com

Nexans Ref.: BAAP05A1001AABK

Country Ref.: BAAP05A1001AABK

EAN 13: 9319215005511

1.5mm² 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
Class 2



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



Cable flexibility
Rigid

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CHARACTERISTICS

Construction characteristics

Colour	Black
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	2.0 kg/100m
Cable length	100 m
Conductor cross-section	1.5 mm ²
Neutral conductor section (when smaller)	- mm ²
Nominal insulation thickness	0.8 mm
Nominal overall diameter	3.1 mm
Number of cores	1

Electrical characteristics

Conductor AC resistance at 50 Hz	16.5 Ohm/km
Inductive reactance at 50Hz - flat touching	0.172 Ohm/km
Inductive reactance at 50Hz - trefoil	0.157 Ohm/km
Insulation resistance at 20°C	13 MOhm.km
Max. DC resistance of the conductor at 20°C	13.6 Ohm/km
Rated Voltage U _o /U (U _m)	0,6/1 kV

Mechanical characteristics

Cable flexibility	Rigid
Maximum Pulling Tension	0.11 kN

Usage characteristics

Minimum Bend Radius - During Installation (under Tension)	19 mm
Minimum Bend Radius - Installed	12 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
1.5	21	21	16	18	14	8	23	26
 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
1.5	20	17	16	15	12	8	20	24
 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	