PVC Insulated Single Core

6mm2 PVC Building Wire Green/Yellow 500m

Nexans Ref.: BAAP11A5001AAHN Country Ref.: BAAP11A5001AAHN EAN 13: 9319215008093

6mm2 PVC Building Wire Green/Yellow

DESCRIPTION

Single Core Building Wires

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

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



STANDARDS

National AS/NZS 1125; AS/ NZS 5000.1



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. Generated 28/6/24 www.nexans.com.au Page 1 / 3



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CHARACTERISTICS

Construction characteristics	
Colour	Green / yellow
Conductor flexibility	Class 2
Conductor material	Copper
Conductor shape	Circular
Insulation	V-90
Type of conductor	Stranded copper
With Green/Yellow core	Yes
Dimensional characteristics	
Approximate weight	7.1 kg/100m
Cable length	500 m
Conductor cross-section	6 mm ²
Neutral conductor section (when smaller)	- mm²
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 Uo/U (Um)	0,6/1 kV
Mechanical characteristics	
Cable flexibility	Rigid
Maximum Pulling Tension	0.42 kN
Usage characteristics	
Minimum Bend Radius - During Installation (under Tension)	31 mm
Minimum Bend Radius - Installed	20 mm

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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	o o Cu	Joo Cu) Cu	Cu	Cu	Cu	₹7, 6 ,877,≩ ⊘ Cu	₹77, 6 377,≩ ©© Cu	
[mm²]	51	49	40	41	33	20	52	58	
O Unenclosed spaced		Unenclose	ed spaced f	rom surface	18	Unenclosed to	ouching		
Enclosed conduit in air)	Thermal in surrounde	nsulation, pa d by therma	artially al insulation		Thermal Insul surrounded b	lation, compl y thermal ins	letely sulation	
Underground ducts A -	7/ <i>1</i> /1 60	Undergrou Wiring En		- Individual					

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

Copper Conductor Insulation PVC Maximum Conductor Temperature 75C

Con	ductor cross-section	1000		Þ		8	8		17751778 80	
	[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	
	6	49	42	40	35	28	20	45	53	
	Unenclosed spaced		Unenclos	ed spaced fr	om surface	∳≎ ι	Inenclosed to	ouching		
8	Enclosed conduit in air	8	Thermal insulation, partially surrounded by thermal insulation				Thermal Insulation, completely surrounded by thermal insulation			
	Underground ducts A - Undergound Wiring Enclosu	re	Undergro Wiring En	und ducts B closure	- Individual					

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