PVC Insulated Single Core

1.5mm2 PVC Building Wire Black 100m

Nexans 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







Rated Voltage Uo/U (Um) Cable flexibility 0.6/1 kV











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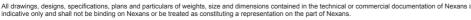
CHARACTERISTICS

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
With smaller neutral conductor	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)	- mm²
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 Uo/U (Um)	0.6/1 kV
Mechanical characteristics	
Cable flexibility	Rigid

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

Copper Conductor Insulation PVC Maximum Conductor Temperature 75C

Con	ductor cross-section	% 3	00	\$				7/ 2 7/£	7/ <u>18</u> 7/ <u>1</u> 66	
	[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu	
	1.5	21	21	16	18	14	8	23	26	
//3	Unenclosed spaced		Unenclos	ed spaced fro	om surface	*	Unenclosed t	ouching		
	Enclosed conduit in air			nsulation, pa ed by therma			Thermal Insulation, completely surrounded by thermal insulation			
	Underground ducts A - Undergound Wiring Enclosur	7/ 3 //£	Undergro Wiring En	und ducts B	- Individual					







PVC Insulated Single Core 1.5mm2 PVC Building Wire Black 100m

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

Copper Conductor Insulation PVC Maximum Conductor Temperature 75C

Con	ductor cross-section [mm²]	Cu	Cu	Cu	© Cu	Cu	Cu	7/ <u>1</u> /// ② Cu	Cu	
	1.5	20	17	16	15	12	8	20	24	
	Unenclosed spaced	8	Unenclosed spaced from surface			*	Unenclosed touching			
8	Enclosed conduit in air		Thermal insulation, partially surrounded by thermal insulation			80	Thermal Insulation, completely surrounded by thermal insulation			
7/ <u>18</u> / <u>1</u>	Underground ducts A - Undergound Wiring Enclosur	e &	Undergro Wiring Er	und ducts B	- Individual					

