PVC Insulated Single Core

25mm2 PVC Building Wire Green/Yellow 500m

Contact
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Nexans Ref.: BAAC17A5001AAHN
Country Ref.: BAAC17A5001AAHN
EAN 13: 9319215478339

25mm2 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.

STANDARDS

National AS/NZS 1125; AS/NZS 5000.1

Conductor flexibility
Class 2

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

Cable flexibility
Rigid

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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	Compact copper
With Green/Yellow core	Yes
Dimensional characteristics	
Approximate weight	26.0 kg/100m
Cable length	500 m
Conductor cross-section	25 mm²
Neutral conductor section (when smaller)	- mm²
Nominal insulation thickness	1.2 mm
Nominal overall diameter	8.4 mm
Number of cores	1
Electrical characteristics	
Conductor AC resistance at 50 Hz	0.884 Ohm/km
Inductive reactance at 50Hz - flat touching	0.121 Ohm/km
Inductive reactance at 50Hz - trefoil	0.106 Ohm/km
Insulation resistance at 20°C	5.9 MOhm.km
Max. DC resistance of the conductor at 20°C	0.727 Ohm/km
Rated Voltage Uo/U (Um)	0,6/1 kV
Mechanical characteristics	
Cable flexibility	Rigid
Maximum Pulling Tension	1.8 kN
Usage characteristics	
Minimum Bend Radius - During Installation (under Tension)	100 mm
Minimum Bend Radius - Installed	67 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 [mm²]	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu
25	124	119	97	94	75	48	116	129


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 - Undergound 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 [mm²]	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu
25	120	103	97	81	64	48	100	117


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 - Undergound Wiring Enclosure


Underground ducts B - Individual Wiring Enclosure

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