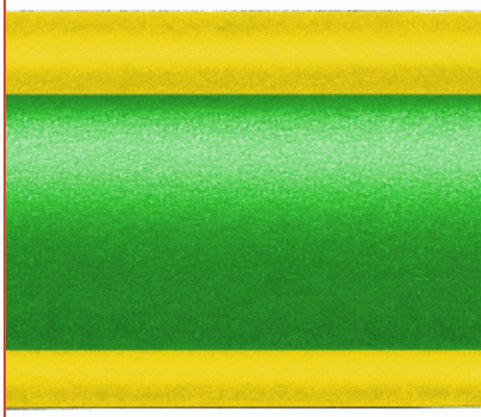
PVC Insulated Single Core

4mm2 PVC Building Wire Green/Yellow 100m

Nexans Ref.: BAAP09A1001AAHN
EAN 13: 9319215007515

4mm2 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

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.

PVC Insulated Single Core

4mm2 PVC Building Wire Green/Yellow 100m

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
With smaller neutral conductor	No
Dimensional characteristics	
Approximate weight	5.1 kg/100m
Cable length	100 m
Conductor cross-section	4 mm²
Neutral conductor section (when smaller)	- mm²
Nominal insulation thickness	1.0 mm
Nominal overall diameter	4.5 mm
Number of cores	1
Electrical characteristics	
Conductor AC resistance at 50 Hz	5.61 Ohm/km
Inductive reactance at 50Hz - flat touching	0.152 Ohm/km
Inductive reactance at 50Hz - trefoil	0.137 Ohm/km
Insulation resistance at 20°C	10 MOhm.km
Max. DC resistance of the conductor at 20°C	4.61 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

Conductor cross-section								
[mm²]	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu
4	40	39	31	32	25	16	41	47

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

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.

PVC Insulated Single Core

4mm2 PVC Building Wire Green/Yellow 100m

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
4	38	33	31	28	23	16	36	43

 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

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.