PVC Insulated Single Core

16mm2 PVC Building Wire Green/Yellow



Nexans
Ref.: BAAP15AA001AAHN

Country
Ref.: BAAP15AA001AAHN

EAN 13: 99319215008836

CONTACT

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

16mm2 PVC Building Wire Green/Yellow

STANDARDS

Product AS/NZS 1125; AS/NZS 5000.1

Single Core Building Wires

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

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

16mm2 PVC Building Wire Green/Yellow

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	17.0 kg/100m
Cable length	- m
Conductor cross-section	16 mm²
Neutral conductor section (when smaller)	- mm²
Nominal insulation thickness	1.0 mm
Nominal overall diameter	6.9 mm
Number of cores	1
Electrical characteristics	
Conductor AC resistance at 50 Hz	1.4 Ohm/km
Inductive reactance at 50Hz - flat touching	0.126 Ohm/km
Inductive reactance at 50Hz - trefoil	0.111 Ohm/km
Insulation resistance at 20°C	6 MOhm.km
Max. DC resistance of the conductor at 20°C	1.15 Ohm/km
Rated Voltage Uo/U (Um)	0,6/1 kV
Mechanical characteristics	
Cable flexibility	Rigid
Maximum Pulling Tension	1.1 kN
Usage characteristics	
Minimum Bend Radius - During Installation (under Tension)	41 mm
Minimum Bend Radius - Installed	28 mm

ENVIRONMENTAL DATA

Global Carbon Footprint	
Amount of CO_2 emitted Cradle to Gate phase (raw material collection and manufacturing), for the production of 1 km of cable.	**848.3 kg eq. CO_2**

Environmental information coming from Nexans' Product Environmental Profile (PEP Ecopassport®)

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 - 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
16	92	89	72	70	56	36	89	99

 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
16	89	77	72	62	50	36	78	90

 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.