

PVC Insulated Single Core

95mm² PVC Building Wire Green/Yellow

Contact

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

Nexans Ref.: BAAC22AA001AAHN

Country Ref.: BAAC22AA001AAHN

EAN 13: 9319215261767

95mm² 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.

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

PVC Insulated Single Core

95mm² PVC Building Wire Green/Yellow

Contact

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

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 | 96.0 kg/100m |
| Cable length | - m |
| Conductor cross-section | 95 mm ² |
| Neutral conductor section (when smaller) | - mm ² |
| Nominal insulation thickness | 1.6 mm |
| Nominal overall diameter | 15.2 mm |
| Number of cores | 1 |

Electrical characteristics

| | |
|---|--------------|
| Conductor AC resistance at 50 Hz | 0.236 Ohm/km |
| Inductive reactance at 50Hz - flat touching | 0.106 Ohm/km |
| Inductive reactance at 50Hz - trefoil | 0.09 Ohm/km |
| Insulation resistance at 20°C | 4.1 MOhm.km |
| Max. DC resistance of the conductor at 20°C | 0.193 Ohm/km |
| Rated Voltage U _o /U (U _m) | 0,6/1 kV |

Mechanical characteristics

| | |
|-------------------------|--------|
| Cable flexibility | Rigid |
| Maximum Pulling Tension | 6.7 kN |

Usage characteristics

| | |
|---|--------|
| Minimum Bend Radius - During Installation (under Tension) | 180 mm |
| Minimum Bend Radius - Installed | 130 mm |

PVC Insulated Single Core

















95mm² PVC Building Wire Green/Yellow

Contact

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

















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

Copper Conductor Insulation PVC Maximum Conductor Temperature 75C

| Conductor cross-section [mm ²] |  Cu |  Cu |  Cu |  Cu |  Cu |  Cu |  Cu |  Cu |
|---|--|---|---|--|---|--|---|--|
| 95 | 295 | 276 | 230 | 212 | 169 | - | 252 | 278 |
|  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 - Underground 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 [mm ²] |  Cu |  Cu |  Cu |  Cu |  Cu |  Cu |  Cu |  Cu |
|---|--|--|---|--|--|--|---|--|
| 95 | 287 | 246 | 230 | 183 | 147 | - | 217 | 250 |
|  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 - Underground Wiring Enclosure |  Underground ducts B - Individual Wiring Enclosure | |