

PVC Orange Circular 4C+E (450/750V & 0.6/1kV)

6mm 4C&E O/C 450/750V 500m

Contact

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

Nexans Ref.: GNHP11A5004OMAA

Country Ref.: GNHP11A5004OMAA

EAN 13: 9322576250179

4X6mm² + E PVC Circular Orange 450/750V 500m

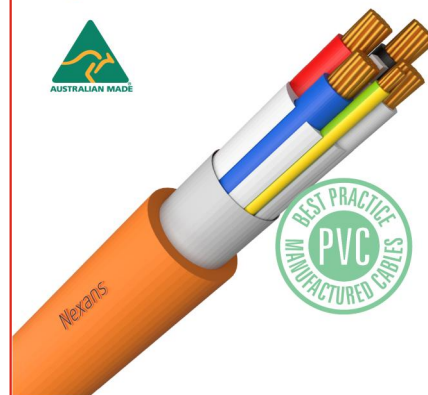
DESCRIPTION

- 4 core+earth, circular,
- V-90 insulated,
- 90°C PVC sheathed to AS/NZS 5000,
- Copper conductors.
- GNHP 450/750V to AS/NZS 5000.2
- HNHP 0.6/1kV to AS/NZS 5000.1

Note: Earth cores smaller than 25mm² are not compacted.

* Due to a change in standard AS/NZS 5000.2, the minimum calculated value of the sheath thickness for circular multicore cables has reduced, therefore also reducing the OD and mass for 1.5mm²–6mm² cables.

Orange Circular; Circs



STANDARDS

National AS/NZS 1125; AS/
NZS 5000.1; AS/NZS 5000.2



Conductor flexibility
Class 2



Rated Voltage Uo/U (Um)
450/750 V



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.

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CHARACTERISTICS

Construction characteristics

Colour	Orange
Conductor flexibility	Class 2
Conductor material	Copper
Conductor shape	Circular
Insulation	V-90
Outer sheath	PVC
Type of conductor	Stranded copper
With Green/Yellow core	Yes

Dimensional characteristics

Approximate weight	42.1 kg/100m
Cable length	500 m
Conductor cross-section	6 mm ²
Earth conductor cross section	2.5 mm ²
Nominal insulation thickness	0.8 mm
Nominal outer sheath thickness	1.4 mm
Nominal overall diameter	15.0 mm
Number of cores	4
Number of earth cores	1

Electrical characteristics

Conductor AC resistance at 50 Hz	3.75 Ohm/km
Inductive reactance at 50Hz	0.095 Ohm/km
Insulation resistance at 20°C	9.9 MOhm.km
Max. DC resistance of the conductor at 20°C	3.08 Ohm/km
Rated Voltage U ₀ /U (Um)	450/750 V

Mechanical characteristics

Cable flexibility	Rigid
Maximum Pull Tension of Conductor	2 kN
Maximum Pulling Tension	1.8 kN

Usage characteristics

Minimum Bend Radius - During Installation (under Tension)	90 mm
Minimum Bend Radius - Installed	60 mm