

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

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

## Contact

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**Nexans Ref.:** GNHP09A5004OMAA

**Country Ref.:** GNHP09A5004OMAA

**EAN 13:** 9322576250124

4X4mm<sup>2</sup> + 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 25mm<sup>2</sup> 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 1.5mm<sup>2</sup>–6mm<sup>2</sup> 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

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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	33.0 kg/100m
Cable length	500 m
Conductor cross-section	4 mm <sup>2</sup>
Earth conductor cross section	2.5 mm <sup>2</sup>
Nominal insulation thickness	0.8 mm
Nominal outer sheath thickness	1.4 mm
Nominal overall diameter	13.8 mm
Number of cores	4
Number of earth cores	1

### Electrical characteristics

Conductor AC resistance at 50 Hz	5.61 Ohm/km
Inductive reactance at 50Hz	0.1 Ohm/km
Insulation resistance at 20°C	12 MOhm.km
Max. DC resistance of the conductor at 20°C	4.61 Ohm/km
Rated Voltage U <sub>o</sub> /U (Um)	450/750 V

### Mechanical characteristics

Cable flexibility	Rigid
Maximum Pull Tension of Conductor	1 kN
Maximum Pulling Tension	1.7 kN

### Usage characteristics

Minimum Bend Radius - During Installation (under Tension)	83 mm
Minimum Bend Radius - Installed	55 mm