

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

95mm 4C&E O/C 0.6/1KV

## Contact

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

Nexans Ref.: HNHC22AA004OMAA

EAN 13: 99319215261934

4X95mm<sup>2</sup> + E PVC Circular Orange 0.6/1KV

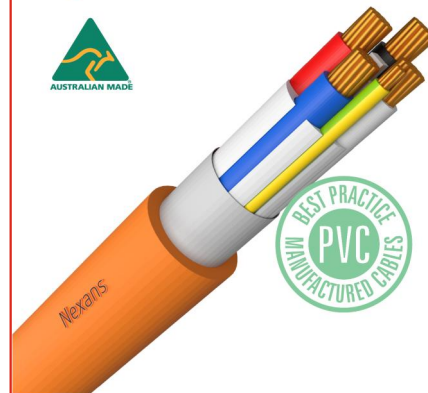
## DESCRIPTION

- 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)  
0,6/1 kV



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	Compact copper
With Green/Yellow core	Yes

### Dimensional characteristics

Approximate weight	465.0 kg/100m
Cable length	- m
Conductor cross-section	95 mm <sup>2</sup>
Earth conductor cross section	25 mm <sup>2</sup>
Nominal insulation thickness	1.6 mm
Nominal outer sheath thickness	2.2 mm
Nominal overall diameter	42.0 mm
Number of cores	4
Number of earth cores	1

### Electrical characteristics

Conductor AC resistance at 50 Hz	0.236 Ohm/km
Inductive reactance at 50Hz	0.077 Ohm/km
Insulation resistance at 20°C	5.9 MOhm.km
Max. DC resistance of the conductor at 20°C	0.193 Ohm/km
Rated Voltage U <sub>0</sub> /U (Um)	0,6/1 kV

### Mechanical characteristics

Cable flexibility	Rigid
Maximum Pull Tension of Conductor	25 kN
Maximum Pulling Tension	5 kN

### Usage characteristics

Minimum Bend Radius - During Installation (under Tension)	500 mm
Minimum Bend Radius - Installed	340 mm