

# XLPE/PVC 4C+E 0.6/1kV Circular

50mm<sup>2</sup> CU 4 Core + Earth XLPE/PVC Orange Circular

## Contact

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**Nexans Ref.:** HTHC19AA004OMAA

**Country Ref.:** HTHC19AA004OMAA

**EAN 13:** 9319215278833

50mm<sup>2</sup> CU 4 Core + Earth (16mm<sup>2</sup>) XLPE/PVC Orange Circular

## DESCRIPTION

- 4 core+earth, circular,
- 0.6/1kV X-90 insulated,
- PVC sheathed to AS/NZS 5000.1
- Copper conductors, 90°C.

**Note:** Earth cores smaller than 25mm<sup>2</sup> are not compacted.

Orange Circular; Circs



## 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**

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## CHARACTERISTICS

### Construction characteristics

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

### Dimensional characteristics

Approximate weight	224.0 kg/100m
Conductor cross-section	50 mm <sup>2</sup>
Earth conductor cross section	16 mm <sup>2</sup>
Nominal insulation thickness	1.0 mm
Nominal outer sheath thickness	1.9 mm
Nominal overall diameter	29.3 mm
Number of cores	5
Number of earth cores	1

### Electrical characteristics

Conductor AC resistance at 50 Hz	0.494 Ohm/km
Inductive reactance at 50Hz	0.075 Ohm/km
Insulation resistance at 20°C	410 MOhm.km
Max. DC resistance of the conductor at 20°C	0.387 Ohm/km
Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	0,6/1 kV

### Mechanical characteristics

Cable flexibility	Rigid
Maximum Pulling Tension	3.5 kN

### Usage characteristics

Minimum Bend Radius - During Installation (under Tension)	350 mm
Minimum Bend Radius - Installed	230 mm