

# PVC Steel Wire Armour Circular 4C+E (0.6/1kV)

## 4X10mm<sup>2</sup> + E PVC SWA Circular Orange

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4X10mm<sup>2</sup> + E PVC SWA Circular Orange

### DESCRIPTION

- 4 core + earth,
- Circular,
- 0.6/1kV
- V-90 insulated,
- PVC bedded,
- Steel wire armoured,
- PVC sheathed cable to AS/NZS 5000.1,
- Copper conductors, 90°C.

**Note:** 3½ core (3 core+reduced neutral with or without earth) available on request subject to minimum production runs.



### 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.

Version 1.3 Generated 28/6/24 www.nexans.com.au Page 1 / 2

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## CHARACTERISTICS

### Construction characteristics

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

### Dimensional characteristics

Approximate weight	139.0 kg/100m
Cable length	- m
Conductor cross-section	10 mm <sup>2</sup>
Diameter over armour	20.8 mm
Earth conductor cross section	4 mm <sup>2</sup>
Nominal diameter over bedding	17.6 mm
Nominal insulation thickness	1.0 mm
Nominal overall diameter	24.4 mm
Number of cores	4
Number of earth cores	1

### Electrical characteristics

Conductor AC resistance at 50 Hz	2.33 Ohm/km
Inductive reactance at 50Hz	0.091 Ohm/km
Insulation resistance at 20°C	9.9 MOhm.km
Max. DC resistance of the conductor at 20°C	1.83 Ohm/km
Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	0,6/1 kV

### Mechanical characteristics

Cable flexibility	Rigid
Maximum Pull Tension of Armour	9 kN
Maximum Pulling Tension	2.9 kN

### Usage characteristics

Minimum Bend Radius - During Installation (under Tension)	440 mm
Minimum Bend Radius - Installed	290 mm

## SELLING AND DELIVERY INFORMATION

Other colours are available on request

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Version 1.3 Generated 28/6/24 www.nexans.com.au Page 2 / 2

