

# PVC SWA Circular 2C+E & 3C+E (0.6/1kV)

## 3X10mm<sup>2</sup> + E PVC SWA Circular Orange

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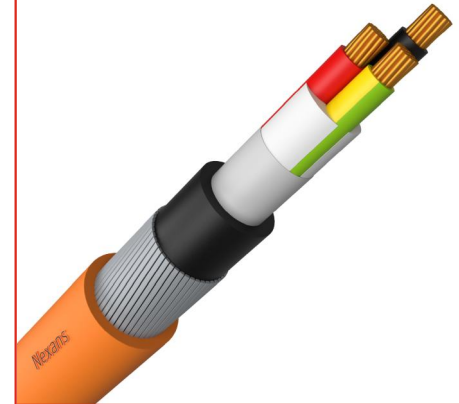
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### DESCRIPTION

- 2 & 3 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.

Orange Circulars; Armoured;



### STANDARDS

National AS/NZS 1125; AS/  
NZS 5000.1



Conductor flexibility  
Class 2



Rated Voltage U<sub>o</sub>/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.

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The Nexans logo, consisting of a stylized red 'N' followed by the word 'Nexans' in a black sans-serif font.

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## CHARACTERISTICS

### Construction characteristics

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

### Dimensional characteristics

Conductor cross-section	10 mm <sup>2</sup>
Number of cores	3
Earth conductor cross section	4 mm <sup>2</sup>
Number of earth cores	1
Nominal overall diameter	22.1 mm
Nominal insulation thickness	1.0 mm
Nominal diameter over bedding	15.9 mm
Diameter over armour	18.4 mm
Approximate weight	108.0 kg/100m
Cable length	- m

### Electrical characteristics

Conductor AC resistance at 50 Hz	2.33 Ohm/km
Inductive reactance at 50Hz	0.0906 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	6 kN
Maximum Pulling Tension	2.7 kN

### Usage characteristics

Minimum Bend Radius - During Installation (under Tension)	400 mm
Minimum Bend Radius - Installed	270 mm

## SELLING AND DELIVERY INFORMATION

Other colours are available on request.

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