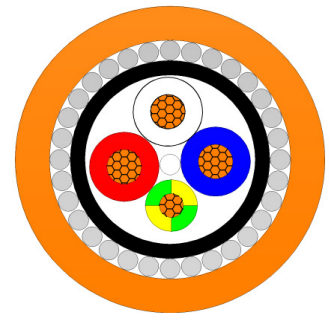




3C+E PVC Insulated Orange Circular Cables 0.6/1kV, Cu, Armoured



Note: The above drawing is for representation purpose only.

Description

Conductor:	Class 2 Plain Annealed Copper
Insulation:	PVC V-90
Bedding:	PVC 5V-90
Armour:	Galvanised Steel Wire Armour
Sheath:	PVC 5V-90

Core identification

Red, White, Blue, Green/Yellow

Sheath Colour

Orange

Technical Data

Voltage Rating:	0.6/1kV
Operating Temperature:	-25°C to +75°C, Maximum 90°C*
	*Not subject to severe mechanical pressure at temperatures higher than 75°C.
Short Circuit Temperature :	160°C for 5 sec

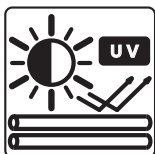
Standards Compliance

AS/NZS 5000.1	AS/NZS 1660.5.6 (Equivalent to IEC 60332-1)
AS/NZS 3808	AS/NZS 1660.5.1 (Equivalent to IEC60332-3-24)
AS/NZS 1125	

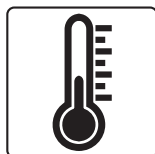
Characteristics



FLAME RETARDANT



UV RESISTANT



-25°C ~ +75°C



GREEN STAR

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3C+E PVC Insulated Orange Circular Cables 0.6/1kV, Cu, Armoured

Physical & Electrical Characteristics

WWC Product Code	Conductor Size (mm ²)	Conductor Diameter (mm)	Insulation Thickness (mm)	Earth Conductor Size (mm ²)	Approx. Overall Diameter (mm)	Min. Bending Radius (mm)		Approx. Weight (kg/km)
						During Installation	After Installation	
1015	1.5	1.56	0.8	1.5	14.8	280	186	434
1025	2.5	2.01	0.8	2.5	16.8	318	212	652
1004	4	2.55	1.0	2.5	18.5	350	233	775
1006	6	3.12	1.0	2.5	19.9	376	251	898
1010	10	3.80	1.0	4	21.7	410	273	1122

Conductor Size (mm ²)	+Current-carrying capacity (A)				Maximum D.C. Resistance of conductor at 20°C (Ω/km)	Reactance at 50Hz (Ω/km)
	In Air Touching	In Air Enclosed	In Ground	In Ground Enclosed		
1.5	15	14	18	18	13.6	0.111
2.5	22	20	25	25	7.41	0.102
4	29	25	33	33	4.61	0.102
6	37	33	42	42	3.08	0.0967
10	51	44	55	55	1.83	0.0906

+Based on ambient air temperature of 40°C, soil temperature of 25°C, burial depth of 0.5m and soil thermal resistivity of 1.2K.m/W.

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