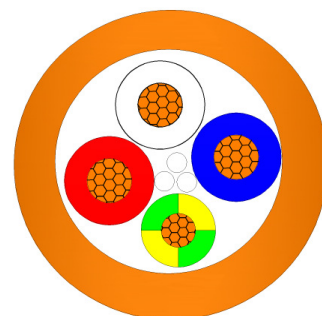




3C+E PVC Insulated Orange Circular Cables 450/750V, Cu



Note: The above drawing is for representation purpose only.

Description

Conductor:

Class 2 Plain Annealed Copper

Insulation:

PVC V-90

Sheath:

PVC 5V-90

Core identification

Red, White, Blue, Green/Yellow

Sheath Colour

Orange

Technical Data

Voltage Rating:

450/750V

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 5000.2

AS/NZS 3808

AS/NZS 1125

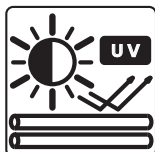
AS/NZS 1660.5.6 (Equivalent to IEC 60332-1)

AS/NZS 1660.5.1 (Equivalent to IEC60332-3-24)

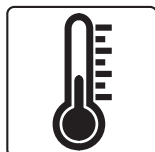
Characteristics



FLAME RETARDANT



UV RESISTANT



-25°C ~ +75°C



GREEN STAR

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3C+E PVC Insulated Orange Circular Cables 450/750V, Cu

Physical & Electrical Characteristics

WWC Product Code	Number of cores	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	
1015UA-47	3C+E	1.5	1.56	0.6	1.5	9.1	86	57	136
1025UA-47	3C+E	2.5	2.01	0.7	2.5	10.9	103	69	208
1004UA-47	3C+E	4	2.55	0.8	2.5	12.2	115	77	271
1006UA-47	3C+E	6	3.12	0.8	2.5	13.4	127	84	343

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Conductor Size (mm ²)	*Current-carrying capacity (A)								Maximum D.C. Resistance of conductor at 20°C (Ω/km)
	In Air Spaced	In Air Touching	In Air Exposed to sun	In Air Enclosed	Partially surrounded by thermal insulation Unenclosed	Completely surrounded by thermal insulation Unenclosed	In Ground	In Ground Enclosed	
1.5	16	15	12	14	12	8	18	18	13.6
2.5	23	22	17	20	17	11	25	25	7.41
4	31	29	23	25	23	15	33	33	4.61
6	40	37	29	33	30	19	42	42	3.08

*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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