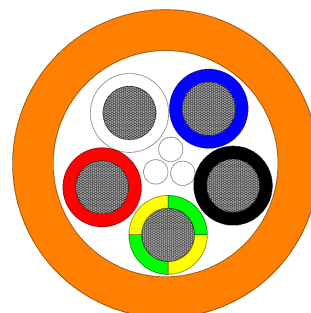




4C+E XLPE Insulated Orange Circular Cables 0.6/1kV, Flexible AL



Note: The above drawing is for representation purpose only.

Description

Conductor:

Flexible Aluminium

Insulation:

XLPE X-90

Sheath:

PVC 5V-90

Core identification

Red, White, Blue, Black, Green/Yellow

Sheath Colour

Orange

Technical Data

Voltage Rating:

0.6/1kV

Operating Temperature:

-40°C to +90°C

Short Circuit Temperature :

250°C for 5 sec

Standards Compliance

AS/NZS 5000.1

AS/NZS IEC 60332-1

AS/NZS 3808

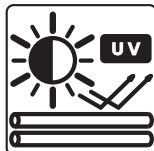
AS/NZS IEC60332-3-24

AS/NZS 1125

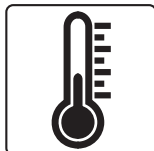
Characteristics



FLAME RETARDANT



UV RESISTANT



-40°C ~ +90°C



GREEN STAR



FLEXIBLE

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4C+E XLPE Insulated Orange Circular Cables 0.6/1kV, Flexible AL

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	
AL4C16E16XV9	16	5.4	0.7	16	22.0	330	264	565.7
AL4C25E25XV9	25	6.8	0.9	25	26.8	402	322	800.5
AL4C35E35XV9	35	8.5	0.9	35	31.8	477	382	1105.0
AL4C50E50XV9	50	9.9	1.0	50	36.4	546	437	1447.9
AL4C70E70XV9	70	11.7	1.1	70	42.2	633	506	1934.7
*SMAL4C95E95XV9	95	13.5	1.1	95	47.4	711	569	2478.9
*SMAL4C120E120XV9	120	15.1	1.2	120	52.6	789	631	3062.6
*SMAL4C150E150XV9	150	17.3	1.4	150	60.1	902	721	3854.1
*SMAL4C185E185XV9	185	18.9	1.6	185	65.8	987	790	4676.9
*SMAL4C240E240XV9	240	21.5	1.7	240	73.9	1109	887	5915.3

*These cables are non-stocked items subject to lead times.

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		
16	54	52	85	63	1.91	0.0889
25	73	69	111	83	1.20	0.0888
35	89	86	133	101	0.868	0.0861
50	109	105	159	120	0.641	0.0859
70	137	134	195	150	0.443	0.0854
95	168	157	234	181	0.320	0.0839
120	195	188	267	210	0.253	0.0837
150	222	212	299	236	0.206	0.0835
185	255	243	340	272	0.164	0.0832
240	302	294	395	322	0.125	0.0830

†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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