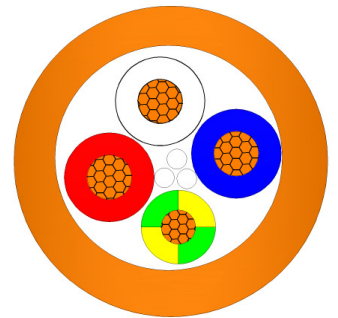




## 3C+E XLPE Insulated Orange Circular Cables 0.6/1kV, Cu



Note: The above drawing is for representation purpose only.

### Description

Conductor:	Class 2 Plain Annealed Copper
Insulation:	XLPE X-90
Sheath:	PVC 5V-90

### Core identification

Red, White, Blue, 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

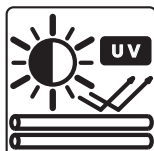
### Standards Compliance

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

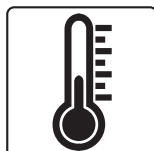
### Characteristics



FLAME RETARDANT



UV RESISTANT



-40°C ~ +90°C



GREEN STAR

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## 3C+E XLPE Insulated Orange Circular Cables 0.6/1kV, Cu

### Physical & Electrical Characteristics

WWC Product Code	Conductor Size (mm <sup>2</sup> )	Conductor Diameter (mm)	Insulation Thickness (mm)	Earth Conductor Size (mm <sup>2</sup> )	Approx. Overall Diameter (mm)	Min. Bending Radius (mm)		Approx. Weight (kg/km)
						During Installation	After Installation	
1016UA	16	4.8	0.7	6	18.2	229	153	690
1125UA	25	6.0	0.9	6	21.1	266	177	984
1035UA	35	7.0	0.9	10	23.3	294	196	1320
1050UA	50	8.4	1.0	16	26.8	338	225	1838
1070UA	70	10.0	1.1	25	31.5	397	265	2568
1095UA	95	11.6	1.1	25	34.6	436	291	3300
1120UA	120	13.0	1.2	35	38.5	485	323	4171
*SM1150UA	150	14.6	1.4	50	43.3	546	364	5420
*SM1185UA	185	16.2	1.6	70	48.4	610	407	6765
*SM1124UA	240	18.4	1.7	95	54.1	682	454	8730
*SM1130UA	300	20.6	1.8	120	59.8	753	502	10852

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

Conductor Size (mm <sup>2</sup> )	*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	83	68	110	81	1.15	0.0805
25	111	91	143	107	0.727	0.0808
35	137	114	172	130	0.524	0.0786
50	168	136	204	155	0.387	0.0751
70	213	173	251	193	0.268	0.0741
95	263	209	302	233	0.193	0.0725
120	306	246	344	270	0.153	0.0713
150	350	277	385	304	0.124	0.0718
185	404	322	435	348	0.0991	0.0720
240	479	386	504	411	0.0754	0.0709
300	549	-	567	463	0.0601	0.0704

\*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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