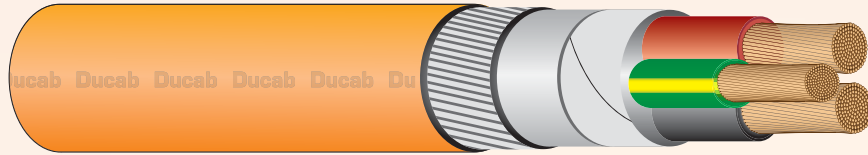


## MULTICORE CIRCULAR - CU/XLPE/SWA/PVC to AS/NZS 5000.1



### 2 , 3 and 4 cores + earth, circular, 0.6/1 kV as per AS/NZS 5000.1

- \* **Conductor** : Copper class 2 stranded /compacted as per AS/NZS 1125
- \* **Insulation**: X-90 as per AS/NZS 3808
- \* **Bedding**: Extruded PVC
- \* **Armour**: Galvanised steel wire
- \* **Outer Sheath**: PVC (5V-90)
- \* **Operating Temperature**: 90°C
- \* **Current rating shall be as per AS/NZS 3008.1.1**

**Core identification:** 2C+E Red, Black, Green/Yellow  
 3C+E Red, White, Blue, Green/Yellow  
 4C+E Red, White, Blue, Black, Green/Yellow

**Sheath Colour :** Orange or other colour as per client request

Nominal Conductor Area	Nominal Insulation Thickness	Earth Conductor Area	Approximate Diameter over bedding	Approximate Diameter over armour	Nominal Sheath Thickness	Approximate Overall Diameter	Approximate Weight
mm <sup>2</sup>	mm	mm <sup>2</sup>	mm	mm	mm	mm	kg/km
<b>2C + E</b>							
1.5	0.7	1.5	8.7	10.5	1.8	13.4	335
2.5	0.7	2.5	9.6	11.4	1.8	14.3	390
4	0.7	2.5	10.7	12.5	1.8	15.4	455
6	0.7	2.5	11.9	13.7	1.8	16.6	525
10	0.7	4	13.9	16.4	1.8	19.3	780
16	0.7	6	15.8	18.3	1.8	21.2	990
25	0.9	6	19.5	22	1.8	24.9	1310
35	0.9	10	21.9	25.1	1.8	28	1780
50	1	16	24.6	27.8	1.8	30.7	2195
70	1.1	25	28.7	31.9	1.9	34.9	2880
95	1.1	25	31.9	35.9	2	39.1	3775
120	1.2	35	35.6	39.6	2.1	43	4540
150	1.4	50	39.7	43.7	2.3	47.5	5455
185	1.6	70	44	49	2.4	53	7100
240	1.7	95	49.3	54.3	2.6	58.6	8825
300	1.8	120	54.9	59.9	2.8	64.6	10640

Nominal Conductor Area	Nominal Insulation Thickness	Earth Conductor Area	Approximate Diameter over bedding	Approximate Diameter over armour	Nominal Sheath Thickness	Approximate Overall Diameter	Approximate Weight
mm <sup>2</sup>	mm	mm <sup>2</sup>	mm	mm	mm	mm	kg/km
<b>3C + E</b>							
1.5	0.7	1.5	9.5	11.3	1.8	14.2	380
2.5	0.7	2.5	10.5	12.3	1.8	15.2	445
4	0.7	2.5	11.8	13.6	1.8	16.5	525
6	0.7	2.5	13.1	15.6	1.8	18.5	715
10	0.7	4	15.3	17.8	1.8	20.7	935
16	0.7	6	17.5	20	1.8	22.9	1205
25	0.9	6	21.6	24.8	1.8	27.7	1780
35	0.9	10	24.2	27.4	1.8	30.3	2210
50	1	16	27.3	30.5	1.9	33.5	2775
70	1.1	25	31.9	35.9	2.1	39.3	3940
95	1.1	25	35.5	39.5	2.2	43.1	4875
120	1.2	35	39.6	43.6	2.3	47.4	5905
150	1.4	50	44.3	49.3	2.5	53.5	7570
185	1.6	70	49.1	54.1	2.6	58.4	9200
240	1.7	95	55.3	60.3	2.8	65.1	11565
300	1.8	120	61.5	66.5	3	71.6	14010
<b>4C+E</b>							
1.5	0.7	1.5	10.3	12.1	1.8	15	420
2.5	0.7	2.5	11.4	13.2	1.8	16.1	500
4	0.7	2.5	12.9	15.4	1.8	18.3	700
6	0.7	2.5	14.4	16.9	1.8	19.8	825
10	0.7	4	16.8	19.3	1.8	22.2	1085
16	0.7	6	19.2	22.4	1.8	25.3	1560
25	0.9	6	23.8	27	1.8	29.9	2125
35	0.9	10	26.8	30	1.9	33	2680
50	1	16	30.2	34.2	2	37.4	3590
70	1.1	25	35.3	39.3	2.2	42.9	4795
95	1.1	25	39.4	43.4	2.3	47.2	6010
120	1.2	35	44.1	49.1	2.5	53.3	7785
150	1.4	50	49.2	54.2	2.7	58.7	9340
185	1.6	70	54.9	59.9	2.8	64.7	11405
240	1.7	95	61.4	66.4	3	71.5	14320
300	1.8	120	68.4	73.4	3.2	78.9	17415