

MULTICORE CIRCULAR - CU/XLPE/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

* **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	Nominal Sheath Thickness	Earth Conductor Area	Approximate Overall Diameter	Approximate Weight
mm ²	mm	mm	mm ²	mm	kg/km
2C + E					
1.5	0.7	1.8	1.5	9.6	120
2.5	0.7	1.8	2.5	10.5	155
4	0.7	1.8	2.5	11.6	195
6	0.7	1.8	2.5	12.8	245
10	0.7	1.8	4	14.8	350
16	0.7	1.8	6	16.7	505
25	0.9	1.8	6	20.4	730
35	0.9	1.8	10	22.8	975
50	1	1.8	16	25.5	1295
70	1.1	1.8	25	29.6	1830
95	1.1	1.9	25	32.9	2370
120	1.2	2	35	36.8	2985
150	1.4	2.1	50	41.1	3705
185	1.6	2.2	70	45.6	4700
240	1.7	2.4	95	51.2	6150
300	1.8	2.5	120	56.9	7660

Nominal Conductor Area	Nominal Insulation Thickness	Nominal Sheath Thickness	Earth Conductor Area	Approximate Overall Diameter	Approximate Weight
mm ²	mm	mm	mm ²	mm	kg/km
3C + E					
1.5	0.7	1.8	1.5	10.4	145
2.5	0.7	1.8	2.5	11.4	190
4	0.7	1.8	2.5	12.7	245
6	0.7	1.8	2.5	14	310
10	0.7	1.8	4	16.2	460
16	0.7	1.9	6	18.4	675
25	0.9	1.8	6	22.5	990
35	0.9	1.8	10	25.1	1325
50	1	1.8	16	28.2	1765
70	1.1	1.9	25	32.9	2515
95	1.1	2	25	36.7	3300
120	1.2	2.1	35	41	4155
150	1.4	2.3	50	46	5160
185	1.6	2.4	70	51	6520
240	1.7	2.6	95	57.2	8515
300	1.8	2.8	120	63.8	10640
4C + E					
1.5	0.7	1.8	1.5	11.2	170
2.5	0.7	1.8	2.5	12.3	225
4	0.7	1.8	2.5	13.8	295
6	0.7	1.8	2.5	15.3	385
10	0.7	1.8	4	17.7	575
16	0.7	1.8	6	20.1	845
25	0.9	1.8	6	24.7	1260
35	0.9	1.8	10	27.7	1690
50	1	1.9	16	31.2	2265
70	1.1	2	25	36.5	3225
95	1.1	2.1	25	40.8	4260
120	1.2	2.3	35	45.8	5375
150	1.4	2.4	50	51.1	6640
185	1.6	2.6	70	56.8	8400
240	1.7	2.8	95	63.7	10950
300	1.8	3	120	71.1	13675