

Orange Circular

Power Cable

PVC insulated and PVC sheathed, 90 degree, 0.6/1kV, AS/NZS 5000.1

Cable Construction:

Class 2 stranding, coloured PVC insulation, flame retardant, UV resistant orange PVC sheath.

Minimum Bending Radius:

≤ 25mm² 4 x cable diameter
≥ 35mm² 6 x cable diameter

Test Voltage:

3,5kV

Nominal Voltage:

600/1000V

Maximum conductor operating

temperature: +90°C

Lowest ambient temperature for fixed

installation: -30°C

Maximum short-circuit conductor

temperature: +250°C

Lowest installation temperature: -5°C

Max. permissible tensile stress with

cable grip for Cu-conductor: 50N/mm²

Colour Coding

2 core + earth : Red, Black, Green/Yellow

3 core + earth : Red, White, Blue, Green/Yellow

4 core + earth : Red, White, Blue, Black, Green/Yellow

Features

- UV resistant
- Non compacted conductors
- Oil & chemical resistant
- Flame retardant IEC 60332-1-2



Part No.	Nominal conductor area mm ² and number of cores		Approx. overall Ø mm	Approx. weight kg/km	Maximum conductor resistance at temperature 20°C Ωkm	
					Actual/Neutral conductors	Earth conductor
2 core + earth						
OC3G1.5	1.5mm ²	2 core + earth	10.10	146	12.1	12.1
OC3G2.5	2.5mm ²	2 core + earth	11.20	192	7.41	7.41
OC3G4	4mm ²	2 core + earth	12.50	253	4.61	7.41
OC3G6	6mm ²	2 core + earth	13.00	299	3.08	7.41
OC3G10	10mm ²	2 core + earth	15.10	432	1.83	4.61
OC3G16	16mm ²	2 core + earth	16.90	599	1.15	3.08
OC3G25	25mm ²	2 core + earth	19.50	859	0.727	3.08
OC3G35	35mm ²	2 core + earth	21.70	1133	0.524	1.83
OC3G50	50mm ²	2 core + earth	24.80	1530	0.387	1.15
OC3G70	70mm ²	2 core + earth	28.00	2092	0.268	0.727
OC3G95	95mm ²	2 core + earth	31.60	2763	0.193	0.727
OC3G120	120mm ²	2 core + earth	34.50	3422	0.153	0.524
3 core + earth						
OC4G1.5	1.5mm ²	3 core + earth	11.00	175	12.1	12.1
OC4G2.5	2.5mm ²	3 core + earth	12.10	231	7.41	7.41
OC4G4	4mm ²	3 core + earth	13.80	314	4.61	7.41
OC4G6	6mm ²	3 core + earth	14.50	379	3.08	7.41
OC4G10	10mm ²	3 core + earth	16.80	553	1.83	4.61
OC4G16	16mm ²	3 core + earth	18.90	778	1.15	3.08
OC4G25	25mm ²	3 core + earth	22.10	1136	0.727	3.08
OC4G35	35mm ²	3 core + earth	24.60	1519	0.524	1.83
OC4G50	50mm ²	3 core + earth	28.30	2050	0.387	1.15
OC4G70	70mm ²	3 core + earth	31.90	2825	0.268	0.727
OC4G95	95mm ²	3 core + earth	36.60	3789	0.193	0.727
OC4G120	120mm ²	3 core + earth	40.00	4689	0.153	0.524

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Part No.	Nominal conductor area mm² and number of cores		Approx. overall Ø mm	Approx. weight kg/km	Maximum conductor resistance at temperature 20°C Ωkm	
					Actual/Neutral conductors	Earth conductor
4 core + earth						
OC5G1.5	1.5mm²	4 core + earth	11.90	211	12.1	12.1
OC5G2.5	2.5mm²	4 core + earth	13.20	280	7.41	7.41
OC5G4	4mm²	4 core + earth	15.20	389	4.61	7.41
OC5G6	6mm²	4 core + earth	15.90	474	3.08	7.41
OC5G10	10mm²	4 core + earth	18.50	696	1.83	4.61
OC5G16	16mm²	4 core + earth	20.90	989	1.15	3.08
OC5G25	25mm²	4 core + earth	24.80	1464	0.727	3.08
OC5G35	35mm²	4 core + earth	27.50	1933	0.524	1.83
OC5G50	50mm²	4 core + earth	32.00	2625	0.387	1.15
OC5G70	70mm²	4 core + earth	36.20	3628	0.268	0.727
OC5G95	95mm²	4 core + earth	41.50	4878	0.193	0.727
OC5G120	120mm²	4 core + earth	45.50	6048	0.153	0.524