

Orange Circular

RALOS

Orange Circular Power Cable - PVC

Australian standard power distribution cable

Construction:

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

Minimum Bending Radius:

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

Nominal Voltage:

600/1000V

Temperature Range:

-20°C to +90°C

Colour Coding

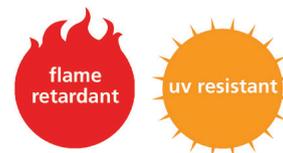
- 2 core + earth : Red, Black, Green/ Yellow
- 3 core + earth : Red, White, Blue, Green/Yellow
- 4 core + earth : Red, White, Blue, Black, Green/Yellow

Relevant Standard:

- AS/NZS1125
- AS/NZS3808
- AS/NZS5000.1
- Flame retardant to IEC60332-1
- RoHS compliant
- UV stabilised

Features:

- UV resistant
- Non compacted conductors
- Oil & chemical resistant
- Flame retardant
- Metre marked



14.03.2025/We reserve the right to make technical changes; any images are only for illustrative purposes

| Type | Cores x CSA | Conductor Diameter | Insulation Thickness | Insulation Diameter | Laid Up Diameter | Outer Sheath Thickness | Overall Diameter | Max. 20°C DC. Conductor Resistance | Approx Weight |
|----------|-----------------|--------------------|----------------------|---------------------|------------------|------------------------|------------------|------------------------------------|---------------|
| Part No. | mm ² | mm | mm | mm | mm | mm | mm | Ω/km | kg/km |
| OC3G1.5 | 2C1.5+E1.5 | Active Cond | 1.5 | 0.8 | 3.1 | 6.7 | 1.8 | 13.6 | 146 |
| | | Earth Cond | 1.5 | 0.8 | 3.1 | | | 13.6 | |
| OC3G2.5 | 2C2.5+E2.5 | Active Cond | 2.0 | 0.8 | 3.6 | 7.8 | 1.8 | 7.41 | 193 |
| | | Earth Cond | 2.0 | 0.8 | 3.6 | | | 7.41 | |
| OC3G4 | 2C4.0+E2.5 | Active Cond | 2.5 | 1.0 | 4.5 | 9.7 | 1.8 | 4.61 | 246 |
| | | Earth Cond | 2.0 | 0.8 | 3.6 | | | 7.41 | |
| OC3G6 | 2C6.0+E2.5 | Active Cond | 3.1 | 1.0 | 5.1 | 11.0 | 1.8 | 3.08 | 297 |
| | | Earth Cond | 2.0 | 0.8 | 3.6 | | | 7.41 | |
| OC3G10 | 2C10+E4.0 | Active Cond | 4.0 | 1.0 | 6.0 | 12.8 | 1.8 | 1.83 | 455 |
| | | Earth Cond | 2.5 | 1.0 | 4.5 | | | 4.61 | |
| OC3G16 | 2C16+E6.0 | Active Cond | 5.0 | 1.0 | 7.0 | 15.0 | 1.8 | 1.15 | 615 |
| | | Earth Cond | 3.1 | 1.0 | 5.1 | | | 3.08 | |
| OC4G1.5 | 3C1.5+E1.5 | Active Cond | 1.5 | 0.8 | 3.1 | 7.5 | 1.8 | 13.6 | 177 |
| | | Earth Cond | 1.5 | 0.8 | 3.1 | | | 13.6 | |
| OC4G2.5 | 3C2.5+E2.5 | Active Cond | 2.0 | 0.8 | 3.6 | 8.7 | 1.8 | 7.41 | 238 |
| | | Earth Cond | 2.0 | 0.8 | 3.6 | | | 7.41 | |
| OC4G4 | 3C4.0+E2.5 | Active Cond | 2.5 | 1.0 | 4.5 | 10.8 | 1.8 | 4.61 | 314 |
| | | Earth Cond | 2.0 | 0.8 | 3.6 | | | 7.41 | |
| OC4G6 | 3C6.0+E2.5 | Active Cond | 3.1 | 1.0 | 5.1 | 12.2 | 1.8 | 3.08 | 385 |
| | | Earth Cond | 2.0 | 0.8 | 3.6 | | | 7.41 | |
| OC4G10 | 3C10+E4.0 | Active Cond | 4.0 | 1.0 | 6.0 | 14.1 | 1.8 | 1.83 | 582 |
| | | Earth Cond | 2.5 | 1.0 | 4.5 | | | 4.61 | |
| OC4G16 | 3C16+E6.0 | Active Cond | 5.0 | 1.0 | 7.0 | 16.5 | 1.8 | 1.15 | 807 |
| | | Earth Cond | 3.1 | 1.0 | 5.1 | | | 3.08 | |



| Type | Cores x CSA | Conductor Diameter | Insulation Thickness | Insulation Diameter | Laid Up Diameter | Outer Sheath Thickness | Overall Diameter | Max. 20°C DC. Conductor Resistance | Approx Weight | |
|----------|-----------------|--------------------|----------------------|---------------------|------------------|------------------------|------------------|------------------------------------|---------------|-----|
| Part No. | mm ² | mm | mm | mm | mm | mm | mm | Ω/km | kg/km | |
| OC5G1.5 | 4C1.5+E1.5 | Active Cond | 1.5 | 0.8 | 3.1 | 8.4 | 1.8 | 12.5 | 13.6 | 208 |
| | | Earth Cond | 1.5 | 0.8 | 3.1 | | | | 13.6 | |
| OC5G2.5 | 4C2.5+E2.5 | Active Cond | 2.0 | 0.8 | 3.6 | 9.7 | 1.8 | 13.8 | 7.41 | 281 |
| | | Earth Cond | 2.0 | 0.8 | 3.6 | | | | 7.41 | |
| OC5G4 | 4C4.0+E2.5 | Active Cond | 2.5 | 1.0 | 4.5 | 11.9 | 1.8 | 16.0 | 4.61 | 381 |
| | | Earth Cond | 2.0 | 0.8 | 3.6 | | | | 7.41 | |
| OC5G6 | 4C6.0+E2.5 | Active Cond | 3.1 | 1.0 | 5.1 | 13.5 | 1.8 | 17.6 | 3.08 | 475 |
| | | Earth Cond | 2.0 | 0.8 | 3.6 | | | | 7.41 | |
| OC5G10 | 4C10+E4.0 | Active Cond | 4.0 | 1.0 | 6.0 | 15.6 | 1.8 | 19.7 | 1.83 | 717 |
| | | Earth Cond | 2.5 | 1.0 | 4.5 | | | | 4.61 | |
| OC5G16 | 4C16+E6.0 | Active Cond | 5.0 | 1.0 | 7.0 | 18.2 | 1.8 | 22.3 | 1.15 | 994 |
| | | Earth Cond | 3.1 | 1.0 | 5.1 | | | | 3.08 | |

