

# 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:

≤ 25mm<sup>2</sup> 4 x cable diameter  
≥ 35mm<sup>2</sup> 6 x cable diameter

### Nominal Voltage:

600/1000V

### Temperature Range:

-20°C to +90°C

### Colour Coding

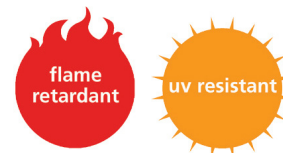
- 2 core + earth : Red, Black, Green/Yellow
- 3 core + earth : Red, White, Blue, Green/Yellow
- 4 core + earth : Red, White, Blue, Black, Green/Yellow

### 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



| Type           | Cores x CSA | Conductor Diameter | Insulation Thickness | Insulation Diameter | Laid Up Dia-meter | Outer Sheath Thickness | Overall Diameter | Max. 20 DC. Conductor Resistance |
|----------------|-------------|--------------------|----------------------|---------------------|-------------------|------------------------|------------------|----------------------------------|
| Part No.       | mm²         | mm                 | mm                   | mm                  | mm                | mm                     | mm               | Ω/km                             |
| 2 core + earth |             |                    |                      |                     |                   |                        |                  |                                  |
| OC3G1.5        | 2C1.5+E1.5  | Active Cond        | 1.5                  | 0.8                 | 3.1               | 6.7                    | 1.8              | 13.6                             |
|                |             | 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                             |
|                |             | 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                             |
|                |             | 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                             |
|                |             | 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                             |
|                |             | 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                             |
|                |             | Earth Cond         | 3.1                  | 1.0                 | 5.1               |                        |                  | 3.08                             |
| 3 core + earth |             |                    |                      |                     |                   |                        |                  |                                  |
| OC4G1.5        | 3C1.5+E1.5  | Active Cond        | 1.5                  | 0.8                 | 3.1               | 7.5                    | 1.8              | 13.6                             |
|                |             | 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                             |
|                |             | 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                             |
|                |             | 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                             |
|                |             | 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                             |
|                |             | 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                             |
|                |             | Earth Cond         | 3.1                  | 1.0                 | 5.1               |                        |                  | 3.08                             |

| Type                  | Cores x CSA     | Conductor Diameter | Insulation Thickness | Insulation Diameter | Laid Up Dia-meter | Outer Sheath Thickness | Overall Diameter | Max. 20 DC. Conductor Resistance |
|-----------------------|-----------------|--------------------|----------------------|---------------------|-------------------|------------------------|------------------|----------------------------------|
| Part No.              | mm <sup>2</sup> |                    | mm                   | mm                  | mm                | mm                     | mm               | Ω/km                             |
| <b>4 core + earth</b> |                 |                    |                      |                     |                   |                        |                  |                                  |
| OC5G1.5               | 4C1.5+E1.5      | Active Cond        | 1.5                  | 0.8                 | 3.1               | 8.4                    | 1.8              | 12.5                             |
|                       |                 | 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                             |
|                       |                 | Earth Cond         | 2.0                  | 0.8                 | 3.6               |                        |                  | 13.8                             |
| OC5G4                 | 4C4.0+E2.5      | Active Cond        | 2.5                  | 1.0                 | 4.5               | 11.9                   | 1.8              | 16.0                             |
|                       |                 | Earth Cond         | 2.0                  | 0.8                 | 3.6               |                        |                  | 16.0                             |
| OC5G6                 | 4C6.0+E2.5      | Active Cond        | 3.1                  | 1.0                 | 5.1               | 13.5                   | 1.8              | 17.6                             |
|                       |                 | Earth Cond         | 2.0                  | 0.8                 | 3.6               |                        |                  | 17.6                             |
| OC5G10                | 4C10+E4.0       | Active Cond        | 4.0                  | 1.0                 | 6.0               | 15.6                   | 1.8              | 19.7                             |
|                       |                 | Earth Cond         | 2.5                  | 1.0                 | 4.5               |                        |                  | 19.7                             |
| OC5G16                | 4C16+E6.0       | Active Cond        | 5.0                  | 1.0                 | 7.0               | 18.2                   | 1.8              | 22.3                             |
|                       |                 | Earth Cond         | 3.1                  | 1.0                 | 5.1               |                        |                  | 22.3                             |