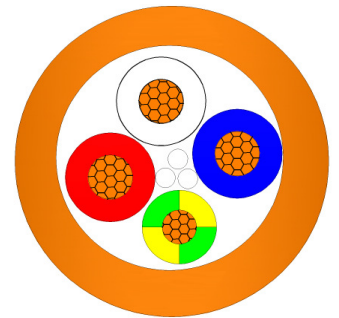




3C+E PVC Insulated Orange Circular Cables 0.6/1kV, Cu



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Note: The above drawing is for representation purpose only.

Description

| | |
|-------------|-------------------------------|
| Conductor: | Class 2 Plain Annealed Copper |
| Insulation: | PVC V-90 |
| Sheath: | PVC 5V-90 |

Core identification

Red, White, Blue, Green/Yellow

Sheath Colour

Orange

Technical Data

| | |
|-----------------------------|--|
| Voltage Rating: | 0.6/1kV |
| Operating Temperature: | -25°C to +75°C, Maximum 90°C* |
| | *Not subject to severe mechanical pressure at temperatures higher than 75°C. |
| Short Circuit Temperature : | 160°C for 5 sec |

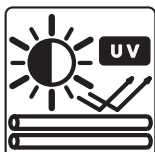
Standards Compliance

| | |
|---------------|---|
| AS/NZS 5000.1 | AS/NZS 1660.5.6 (Equivalent to IEC 60332-1) |
| AS/NZS 3808 | AS/NZS 1660.5.1 (Equivalent to IEC60332-3-24) |
| AS/NZS 1125 | |

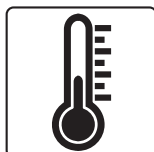
Characteristics



FLAME RETARDANT



UV RESISTANT



-25°C ~ +75°C



GREEN STAR

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3C+E PVC Insulated Orange Circular Cables 0.6/1kV, Cu

Physical & Electrical Characteristics

| WWC Product Code | Conductor Size (mm ²) | Conductor Diameter (mm) | Insulation Thickness (mm) | Earth Conductor Size (mm ²) | Approx. Overall Diameter (mm) | Min. Bending Radius (mm) | | Approx. Weight (kg/km) |
|------------------|-----------------------------------|-------------------------|---------------------------|---|-------------------------------|--------------------------|--------------------|------------------------|
| | | | | | | During Installation | After Installation | |
| 1015UA | 1.5 | 1.56 | 0.8 | 1.5 | 11.2 | 106 | 71 | 190 |
| 1025UA | 2.5 | 2.01 | 0.8 | 2.5 | 12.3 | 116 | 77 | 260 |
| 1004UA | 4 | 2.55 | 1.0 | 2.5 | 14.0 | 132 | 88 | 354 |
| 1006UA | 6 | 3.12 | 1.0 | 2.5 | 15.1 | 143 | 95 | 435 |
| 1010UA | 10 | 3.80 | 1.0 | 4 | 16.9 | 160 | 106 | 582 |

| Conductor Size (mm ²) | +Current-carrying capacity (A) | | | | Maximum D.C. Resistance of conductor at 20°C (Ω/km) | Reactance at 50Hz (Ω/km) |
|-----------------------------------|--------------------------------|-----------------|-----------|--------------------|---|--------------------------|
| | In Air Touching | In Air Enclosed | In Ground | In Ground Enclosed | | |
| 1.5 | 15 | 14 | 18 | 18 | 13.6 | 0.111 |
| 2.5 | 22 | 20 | 25 | 25 | 7.41 | 0.102 |
| 4 | 29 | 25 | 33 | 33 | 4.61 | 0.102 |
| 6 | 37 | 33 | 42 | 42 | 3.08 | 0.0967 |
| 10 | 51 | 44 | 55 | 55 | 1.83 | 0.0906 |

*Based on ambient air temperature of 40°C, soil temperature of 25°C, burial depth of 0.5m and soil thermal resistivity of 1.2K.m/W.

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