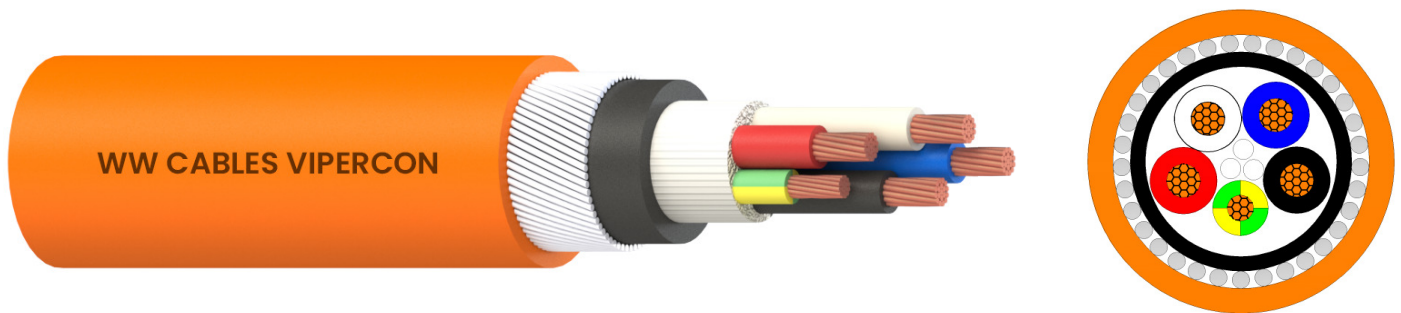




4C+E XLPE Insulated Orange Circular Cables 0.6/1kV, Cu, Armoured



Note: The above drawing is for representation purpose only.

Description

| | |
|-------------|-------------------------------|
| Conductor: | Class 2 Plain Annealed Copper |
| Insulation: | XLPE X-90 |
| Bedding: | PVC 5V-90 |
| Armour: | Galvanised Steel Wire Armour |
| Sheath: | PVC 5V-90 |

Core identification

Red, White, Blue, Black, Green/Yellow

Sheath Colour

Orange

Technical Data

| | |
|-----------------------------|-----------------|
| Voltage Rating: | 0.6/1kV |
| Operating Temperature: | -40°C to +90°C |
| Short Circuit Temperature : | 250°C for 5 sec |

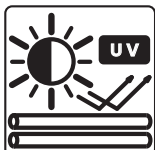
Standards Compliance

| | |
|---------------|---|
| 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 | |

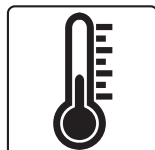
Characteristics



FLAME RETARDANT



UV RESISTANT



-40°C ~ +90°C



GREEN STAR

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4C+E XLPE Insulated Orange Circular Cables 0.6/1kV, Cu, Armoured

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 | |
| 1516 | 16 | 4.8 | 0.7 | 6 | 25.8 | 488 | 325 | 1628 |
| 1525 | 25 | 6.0 | 0.9 | 6 | 29.5 | 558 | 372 | 2154 |
| 1535 | 35 | 7.0 | 0.9 | 10 | 32.2 | 609 | 406 | 2697 |
| 1550 | 50 | 8.4 | 1.0 | 16 | 37.4 | 707 | 471 | 3180 |
| 1570 | 70 | 10.0 | 1.1 | 25 | 43.0 | 813 | 542 | 5013 |
| 1595 | 95 | 11.6 | 1.1 | 25 | 48.0 | 907 | 605 | 6608 |
| 1520 | 120 | 13.0 | 1.2 | 35 | 52.4 | 990 | 660 | 7970 |
| 1515 | 150 | 14.6 | 1.4 | 50 | 58.4 | 1104 | 736 | 9767 |
| 1585 | 185 | 16.2 | 1.6 | 70 | 64.1 | 1211 | 808 | 11761 |
| 1524 | 240 | 18.4 | 1.7 | 95 | 72.0 | 1361 | 907 | 15403 |
| *SM1530 | 300 | 20.6 | 1.8 | 120 | 78.9 | 1491 | 994 | 17703 |

*These cables are non-stocked items subject to lead times.

| 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 | | |
| 16 | 83 | 68 | 110 | 81 | 1.15 | 0.0805 |
| 25 | 111 | 91 | 143 | 107 | 0.727 | 0.0808 |
| 35 | 137 | 114 | 172 | 130 | 0.524 | 0.0786 |
| 50 | 168 | 136 | 204 | 155 | 0.387 | 0.0751 |
| 70 | 213 | 173 | 251 | 193 | 0.268 | 0.0741 |
| 95 | 263 | 209 | 302 | 233 | 0.193 | 0.0725 |
| 120 | 306 | 246 | 344 | 270 | 0.153 | 0.0713 |
| 150 | 350 | 277 | 385 | 304 | 0.124 | 0.0718 |
| 185 | 404 | 322 | 435 | 348 | 0.0991 | 0.0720 |
| 240 | 479 | 386 | 504 | 411 | 0.0754 | 0.0709 |
| 300 | 549 | - | 567 | 463 | 0.0601 | 0.0704 |

+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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