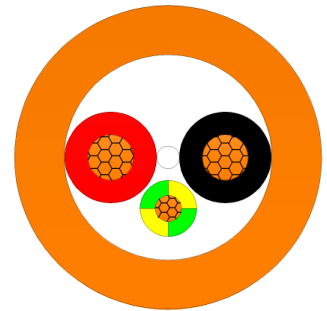




2C+E XLPE Insulated Orange Circular Cables 0.6/1kV, Cu



Note: The above drawing is for representation purpose only.

Description

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

Core identification

Red, 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 |

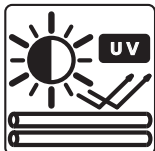
Standards Compliance

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

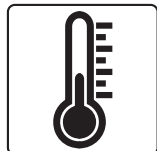
Characteristics



FLAME RETARDANT



UV RESISTANT



-40°C ~ +90°C



GREEN STAR

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2C+E XLPE 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 | |
| 1316UA | 16 | 4.8 | 0.7 | 6 | 16.9 | 213 | 142 | 528 |
| 1325UA | 25 | 6.0 | 0.9 | 6 | 19.8 | 249 | 166 | 741 |
| 1335UA | 35 | 7.0 | 0.9 | 10 | 21.8 | 275 | 183 | 987 |
| *SM1350UA | 50 | 8.4 | 1.0 | 16 | 25.0 | 315 | 210 | 1478 |
| *SM1370UA | 70 | 10.0 | 1.1 | 25 | 28.6 | 360 | 240 | 2029 |
| *SM1395UA | 95 | 11.6 | 1.1 | 25 | 32.0 | 403 | 269 | 2406 |
| *SM1320UA | 120 | 13.0 | 1.2 | 35 | 35.6 | 449 | 299 | 3047 |
| *SM1315UA | 150 | 14.6 | 1.4 | 50 | 39.8 | 501 | 334 | 3870 |
| *SM1318UA | 185 | 16.2 | 1.6 | 70 | 44.2 | 557 | 371 | 4854 |
| *SM1324UA | 240 | 18.4 | 1.7 | 95 | 49.4 | 622 | 415 | 6268 |
| *SM1330UA | 300 | 20.6 | 1.8 | 120 | 54.4 | 685 | 457 | 7791 |

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*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 | 97 | 82 | 132 | 98 | 1.15 | 0.0805 |
| 25 | 131 | 110 | 170 | 128 | 0.727 | 0.0808 |
| 35 | 162 | 132 | 205 | 154 | 0.524 | 0.0786 |
| 50 | 197 | 162 | 244 | 185 | 0.387 | 0.0751 |
| 70 | 250 | 200 | 300 | 228 | 0.268 | 0.0741 |
| 95 | 309 | 250 | 360 | 279 | 0.193 | 0.0725 |
| 120 | 359 | 285 | 410 | 318 | 0.153 | 0.0713 |
| 150 | 411 | 332 | 460 | 365 | 0.124 | 0.0718 |
| 185 | 473 | 377 | 520 | 413 | 0.0991 | 0.0720 |
| 240 | 562 | 448 | 603 | 485 | 0.0754 | 0.0709 |
| 300 | 645 | 523 | 680 | 558 | 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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