

Remolex Cables

CU REMOLEX 3X 1.5+1.5E BK

Contact

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Country ref.: 3145

Cu Conductors, PVC insulation, Laid up, Black PVC sheath, 450/750 V. Made to AS/NZS 5000.2. Circular multicore with integral earth.

DESCRIPTION

Application

- Industrial, commercial and domestic applications
- Small mains cables.



STANDARDS

National AS/NZS 5000.2

CHARACTERISTICS

Construction characteristics

| | |
|--------------------------------|--------------------------------|
| Conductor material | Copper |
| Type of conductor | Circular, stranded |
| Insulation | PVC |
| Outer sheath | PVC |
| With Green/Yellow core | Yes |
| With smaller neutral conductor | No |
| Core identification | Red, White, Blue, Green/Yellow |

Dimensional characteristics

| | |
|-------------------------------|---------------------|
| Number of cores | 4 |
| Conductor cross-section | 1.5 mm ² |
| Earth conductor cross section | 1.5 mm ² |
| Nominal overall diameter | 9.7 mm |
| Gland Size (A2 or A2F) | 20S |
| Approximate weight | 0.15 kg/m |

Electrical characteristics

| | |
|--|-------------|
| Rated Voltage U _o /U | 450/750 V |
| Rated Voltage U _o /U (U _m) | 450 / 750 V |
| Max. DC resistance of the conductor at 20°C (Ohm/km) | 13.6 |

Mechanical characteristics

| | |
|-------------------|-------|
| Cable flexibility | Rigid |
|-------------------|-------|

Usage characteristics







| | |
|---------------------------------------|-------|
| Max. conductor temperature in service | 75 °C |
| U.V resistance | Yes |







CORE COLOURS

| No. of Cores | Colour |
|--------------|----------------------|
| 3 | RD, BK, GNYE |
| 4 | RD, WH, BU, GNYE |
| 5 | RD, WH, BU, BK, GNYE |

CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS) - THREE & FOUR CORE REMOLEX PVC

Copper conductor Circular stranded Insulation PVC Max. Conductor Temperature 75C

| Conductor cross-section [mm ²] |  |  |  |  |  |  |
|---|---|---|---|---|---|---|
| | Cu | Cu | Cu | Cu | Cu | Cu |
| 1.5 | 18 | 17 | 16 | 20 | 20 | 9 |
| 2.5 | 26 | 25 | 23 | 28 | 28 | 13 |
| 4 | 35 | 33 | 29 | 36 | 36 | 17 |
| 6 | 46 | 42 | 38 | 46 | 46 | 22 |
| 10 | 62 | 58 | 50 | 61 | 61 | 29 |
| 16 | 82 | 78 | 66 | 106 | 80 | 39 |

| | | |
|---|---|---|
|  Air Spaced from Surface, Unenclosed |  Air touching, unenclosed |  Air enclosed |
|  Buried direct |  Buried in single-way duct |  Cable surrounded by thermal insulation, unenclosed |

Note

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Please refer to the complete Standard for full details available for purchase from Standards New Zealand at www.standards.co.nz.

The values are for typical New Zealand installation conditions of:

- Ambient Air Temperature: 30°C
- Soil Temperature: 15°C
- Soil Thermal Resistivity: 1.2 K.m/W
- Depth of Burial: 0.5 m