

## Features

- Low Carbon Footprint
- Conforms to BS6231 Type CK, UL Subject 758 & CSA Standard C22.2, No 127, Type TEW
- Oil Resistance at Temperature's up to 60°C
- Operating Temperature up to 105°C

## RS PRO Family Name

RS Stock No.: 0782348



\*Representative image

RS Professionally Approved Products bring to you, professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

**Product Description**

These cables are intended for use in the wiring of switch, control, metering, relay and instrument panels of power switchgear, and for such purposes as internal connections in rectifier equipment and its motor starters and controllers. They are intended for use at alternating voltages not exceeding 600 V to earth, and direct voltages not exceeded 1000V to earth. When installed in the equipment they are suitable for wiring circuits for which the prescribed alternating test voltage does not exceed 4kV r.m.s for 1 minute.

By being approved to three international standards Tri-Rated cable is suitable for equipment installations required to meet both North American and European wiring regulations and codes of practice.

Manufactured using copper that has been validated and third party verified to ensure that the ratio of CO<sub>2</sub> per kg is less than the global average. Verified by Intertek and DNV with calculations in accordance with GHG protocol, the copper in this cable has a ratio of <1.7:1 (CO<sub>2</sub>:Cu), compared to the global average which has a ratio of >4.5:1 (CO<sub>2</sub>:Cu). Resulting in copper that has over 2.5 time less CO<sub>2</sub> impact than the global average.

**General Specifications**

|                                 |                                |
|---------------------------------|--------------------------------|
| <b>Conductor</b>                | Flexible Plain Annealed Copper |
| <b>Nominal Size</b>             | 1 x 6.0mm <sup>2</sup>         |
| <b>Nominal Stranding</b>        | 84*0.3mm                       |
| <b>Nominal Overall Diameter</b> | 5.3mm                          |
| <b>Insulation</b>               | PVC                            |
| <b>Insulation Colour</b>        | Red                            |
| <b>Length</b>                   | 50m                            |
| <b>Weight</b>                   | 73 Kg/Km                       |

**Electrical Specifications**

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| <b>British Standards Institute</b>    | BS6231 Type CK                          |
| <b>Underwriters Laboratories</b>      | Subject 758 (Appliance Wiring Material) |
| <b>Canadian Standards Association</b> | Standard C22.2, No.127, Type TEW        |
| <b>Maximum Current Rating</b>         | 53 Amps                                 |
| <b>AC Voltage Rating</b>              | Not to Exceed 600V to Earth             |
| <b>Dc Voltage Rating</b>              | Not to Exceed 1000V to Earth            |
| <b>Spread of Flames</b>               | BS EN 60332-1-2, VW-1 & FT-1            |
| <b>UL Style Number</b>                | 1015                                    |

## Mechanical Specifications

|                               |                                                                                            |
|-------------------------------|--------------------------------------------------------------------------------------------|
| BS 6231 Operating Temperature | Maximum 90 °C                                                                              |
| BS 6231 Annex A               | Permissible Under Certain Conditions at up to 105 °C                                       |
| UL & CSA                      | Recognized as Heat Resistant at up to 105 °C<br>Recognized as Oil Resistant at up to 60 °C |
| AC Test Voltage               | 4 kV r.m.s for 1 minute                                                                    |

## Approvals

|                       |                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------|
| Third Party Approvals | British Approval Service for Cable<br>Canadian Standards Association<br>Underwriters Laboratories |
|-----------------------|---------------------------------------------------------------------------------------------------|

## Similar Products

| Stock No. | Brand  | Product Name | Number & Size of Conductor | Length | Colour       |
|-----------|--------|--------------|----------------------------|--------|--------------|
| 0782336   | RS PRO |              | 1 x 6.0mm <sup>2</sup>     | 50m    | Black        |
| 0782338   | RS PRO |              | 1 x 6.0mm <sup>2</sup>     | 50m    | Blue         |
| 0782340   | RS PRO |              | 1 x 6.0mm <sup>2</sup>     | 50m    | Brown        |
| 0782342   | RS PRO |              | 1 x 6.0mm <sup>2</sup>     | 50m    | Green/Yellow |
| 0782344   | RS PRO |              | 1 x 6.0mm <sup>2</sup>     | 50m    | Grey         |
| 0782346   | RS PRO |              | 1 x 6.0mm <sup>2</sup>     | 50m    | Lilac        |
| 0782348   | RS PRO |              | 1 x 6.0mm <sup>2</sup>     | 50m    | Red          |
| 0782350   | RS PRO |              | 1 x 6.0mm <sup>2</sup>     | 50m    | White        |

Connection Diagrams / Assembly Diagrams / Illustrations / Accessories