

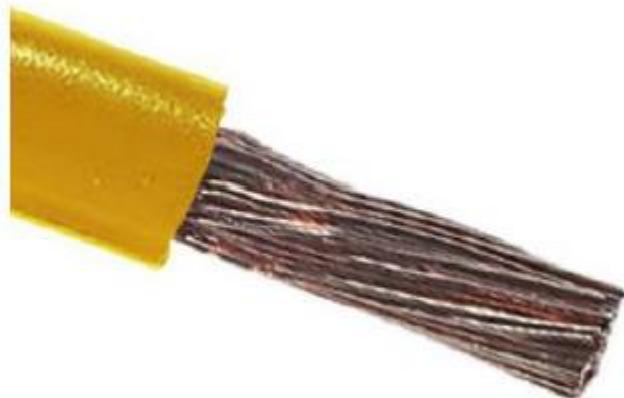


Range datasheet

ENGLISH

# RS Pro Tri-rated Cable

RS Stock No:906-2729



## Product details:

### Tri-Rated Switchgear Cable

A plain copper stranded conductor covered with a PVC sheath for application such as internal connectors in equipment, motor starters and controllers. Also designed for use in switch control, relay and instrumentation panels for power and switchgear.

**Features and Benefits** ·Maximum operating temperature 90°C (105°C for 15,000 hours) to BS6231 ·Reel length 100m ·The advantage of using this type of cable is that it allows many different approvals to be met from a single cable type, thereby simplifying purchasing, stockholding, and production

### Note

The number of strands used in the construction of the conductors may vary. The figures quoted are nominal. Cables marginally exceed maximum diameter in BS6231 to meet UL/CSA.

### Standards

These cables are manufactured to the following national standards, BS6231 (UK), CSA TEW (Canada) and UL style 1015, 1028 or 1283 according to cable size (USA) and are marked accordingly.

### Tri-Rated



## Specifications:

Tri-rated equipment wires are manufactured to meet Canadian, CSA C22.2 Type TEW, American, UL Styles 1015, 1028, 1283 and 1284 and the UK BS6231 type CK.

These cables are for use at alternating voltages not exceeding 600v to earth and direct voltages not exceeding 1000v to earth. The conductors are plain annealed copper.

Manufactured using High temperature PVC.

| RS Stock no. | Sheath Colour    | Area (sq.mm) | Approx AWG | Conductor nom. (mm) | Nom r/t (mm) | Nom Diam (mm) | Max Temp °C | AWM Style No. | Max* Amps |
|--------------|------------------|--------------|------------|---------------------|--------------|---------------|-------------|---------------|-----------|
| 516-8094     | Red              | 25           | 4          | 196/0.4             | 1.6          | 10.6          | 105         | 1283          | 136       |
| 516-8117     | Green/<br>Yellow | 25           | 4          | 196/0.4             | 1.6          | 10.6          | 105         | 1283          | 136       |
| 628-5291     | Mid-Blue         | 10           | 8          | 80/0.4              | 1.2          | 6.8           | 105         | 1028          | 75        |
| 628-5314     | Red              | 10           | 8          | 80/0.4              | 1.2          | 6.8           | 105         | 1028          | 75        |
| 628-5320     | Black            | 10           | 8          | 80/0.4              | 1.2          | 6.8           | 105         | 1028          | 75        |
| 628-5336     | Yellow           | 10           | 8          | 80/0.4              | 1.2          | 6.8           | 105         | 1028          | 75        |
| 628-5342     | Black            | 16           | 6          | 115/0.4             | 1.6          | 8.3           | 105         | 1283          | 100       |
| 628-5358     | Green/<br>Yellow | 10           | 8          | 80/0.4              | 1.2          | 6.8           | 105         | 1028          | 75        |
| 628-5364     | Mid-Blue         | 16           | 6          | 115/0.4             | 1.6          | 8.3           | 105         | 1283          | 100       |
| 628-5370     | Red              | 16           | 6          | 115/0.4             | 1.6          | 8.3           | 105         | 1283          | 100       |
| 628-5386     | Yellow           | 16           | 6          | 115/0.4             | 1.6          | 8.3           | 105         | 1283          | 100       |
| 628-5409     | Green/<br>Yellow | 16           | 6          | 115/0.4             | 1.6          | 8.3           | 105         | 1283          | 100       |
| 628-5421     | Red              | 25           | 4          | 196/0.4             | 1.6          | 10.6          | 105         | 1283          | 136       |
| 628-5465     | Green/<br>Yellow | 25           | 4          | 196/0.4             | 1.6          | 10.6          | 105         | 1283          | 136       |
| 628-5493     | Brown            | 10           | 8          | 80/0.4              | 1.2          | 6.8           | 105         | 1028          | 75        |



| RS Stock no. | Sheath Colour | Area (sq.mm) | Approx AWG | Conductor nom. (mm) | Nom r/t (mm) | Nom Diam (mm) | Max Temp °C | AWM Style No. | Max* Amps |
|--------------|---------------|--------------|------------|---------------------|--------------|---------------|-------------|---------------|-----------|
| 628-5516     | Grey          | 10           | 8          | 80/0.4              | 1.2          | 6.8           | 105         | 1028          | 75        |
| 906-2694     | Dark Blue     | 0.5          | 22         | 16/0.2              | 0.8          | 2.6           | 105         | 1015          | 11        |
| 906-2701     | Dark Blue     | 1.5          | 16         | 30/0.25             | 0.8          | 3.3           | 105         | 1015          | 21        |
| 906-2704     | Dark Blue     | 0.75         | 20         | 24/0.2              | 0.8          | 2.8           | 105         | 1015          | 14        |
| 906-2707     | Dark Blue     | 1            | 18         | 32/0.2              | 0.8          | 3.0           | 105         | 1015          | 17        |
| 906-2710     | Dark Blue     | 2.5          | 14         | 50/0.25             | 0.8          | 3.7           | 105         | 1015          | 30        |
| 906-2713     | Dark Blue     | 4            | 12         | 56/0.3              | 0.8          | 4.3           | 105         | 1015          | 41        |
| 9062717      | Dark Blue     | 6            | 10         | 84/0.3              | 0.8          | 5.1           | 105         | 1015          | 53        |
| 906-2726     | Dark Blue     | 10           | 8          | 80/0.4              | 1.2          | 6.8           | 105         | 1028          | 75        |
| 906-2729     | Dark Blue     | 16           | 6          | 115/0.4             | 1.6          | 8.3           | 105         | 1283          | 100       |

# TRI-RATED SWITCHGEAR/CONTROL WIRES

PVC Insulated switchgear/control wires which are manufactured to BS6231 Type CK and certified to the following standards:

Underwriters Laboratories (UL)

Styles 1015, 1028, 1283 or 1284 depending on size.

Canadian Standards Association (CSA)

Applications include the wiring of switch, control, metering, relay and instrument panels of power switch gear as well as internal connections in rectifier equipment and in motor starters and controllers.

The UL and CSA certification of these wires enables their equipment destined for the North American market as well as the European market. This gives the benefit of simpler design and manufacturing and less stock holding, compared to the alternative of using wires manufactured to separate standards.

All wires are embossed or printed along their length with the following information:

Manufacturer identification

UL Logo

AWM Style No

105°C 600V VW-1

AWG size

CSA TEW 105°C FTI

BS6231

mm<sup>2</sup> size

All wires are available in the following colours:

Black, Blue, Brown, Green, Grey, Orange, Pink, Red, Violet, White, Yellow and Green/Yellow

The standard reel length is 100m though other lengths are available on request.

Sizes up to and including 4mm<sup>2</sup> can be supplied in non-returnable cardboard barrels.

Technical information

Wires: Plain annealed copper

Insulation: Heat resisting PVC

Voltage Rating: 600V between conductor and earth, 1000V between conductors

Maximum conductor

Temperature: 105°C in air, 60°C in oil



Registered no. 352906 England

