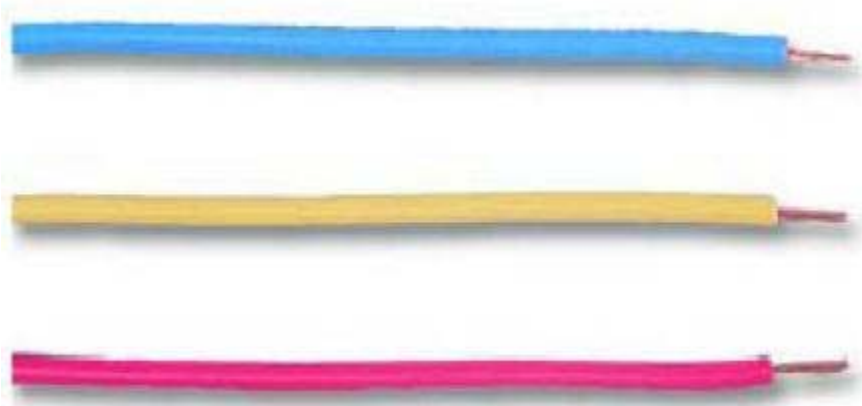


# Tri-Rated Control & Switchgear Wire

## 1.5 mm<sup>2</sup>



### Specifications

**Part Number** : varies with colour and packing length.

#### Description:

1.5mm<sup>2</sup> (16AWG) plain copper, heat resisting PVC insulated.  
UL style 1015; CSA type TEW; BS6231, type CK; tri-rated.

#### CONDUCTOR:

1.5mm<sup>2</sup> (16AWG) plain annealed copper bunch meeting the requirements of BS 6360, class 5; UL Subject 758 (Page 26);  
CSA Standard C22.2 No.127.

Minimum cross-sectional area : 1.27mm<sup>2</sup>.  
Maximum lay of bunch : 50.8mm.  
Maximum resistance at 20°C : 13.3Ω/km.

#### INSULATION:

PVC compound meeting the requirements of type TI 3 to BS EN 50363; class 43 PVC to UL1581; class 28 to CSA  
Standard C22.2 No.127.

Minimum thickness at any one point : 0.69mm (UL/CSA).  
Minimum average thickness : 0.8mm (BS).  
Minimum overall diameter : 3.0mm (BS).  
Maximum overall diameter : 3.6mm (BS).

Printed (in one line): CSA TYPE TEW 105°C 600V FT-1 LL55192 E28423 16AWG \* AWM STYLE 1015 105°C 600V VW-1 BS6231 1.5mm<sup>2</sup> heat resisting 90

Note: \* This is a nominal number of strands. All wires made to meet minimum cross-sectional area and maximum resistance as set in BS specification.

**Lay up** : Not applicable.

**Screen** : Not applicable.

**Sheath** : Not applicable.

# Tri-Rated Control & Switchgear Wire

## 1.5 mm<sup>2</sup>



### Specifications

#### Service data:

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 in motor starters and controllers.

|   |  |
|---|--|
| Rated voltage                           | : 600/1000V.   |
| Current rating (in free air) at 30°C    | : 24A, (subject to de-rating for higher ambient temperatures, bunched circuits and if overload protection is by means of fuses). |
| Maximum conductor temperature (BS 6231) | : 90°C.  |
| Maximum temperature rating (UL/CSA)     | : 105°C.   |
| Approximate mass/unit length            | : 21kg/km.   |

#### Part Number Table

| Description                           | Part Number |
|---------------------------------------|-------------|
| Wire, Tri Rated, Black, 1.5mm, 100M   | CBBR0191    |
| Wire, Tri Rated, Blue, 1.5mm, 100M    | CBBR0192    |
| Wire, Tri Rated, Brown, 1.5mm, 100M   | CBBR0193    |
| Wire, Tri Rated, Grey, 1.5mm, 100M    | CBBR0195    |
| Wire, Tri Rated, Orange, 1.5mm, 100M  | CBBR0196    |
| Wire, Tri Rated, Red, 1.5mm, 100M     | CBBR0198    |
| Wire, Tri Rated, White, 1.5mm, 100M   | CBBR0200    |
| Wire, Tri Rated, Yellow, 1.5mm, 100M  | CBBR0201    |
| Wire, Tri Rated, Grn/Yel, 1.5mm, 100M | CBBR0202    |

**Disclaimer** This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. SPC pro-Power is the registered trademark of the Group. © Premier Farnell plc 2010.

<http://www.farnell.com>  
<http://www.newark.com>  
<http://www.cpc.co.uk>

