

# TRI-RATED CABLE SPECIFICATION

**UK Manufacturers of Tri-rated cable for over 30 years**

## TRI-RATED SWITCHGEAR & CONTROL GEAR WIRING 105°C

BS 6231, UL Type AWM Style 1015 (Incl. 1028, 1283 and 1284) and CSA C22.2 Type TEW.  
Plain Annealed Class 5 copper conductor. High temperature flame-retardant PVC insulation.  
Voltage rating 600/1000V (Uo/U). CPR Compliant to EN 50575.

Nominal Cross Sectional Area of Conductor mm <sup>2</sup>	Nominal No. & Diameter of Wires mm	Radial Thickness of Insulation mm	Nominal Overall Diameter mm	Maximum AMPS	Approx AWG	Weight kg/km
0.5	16/0.2	0.8	2.6	11	22	12
0.75	24/0.2	0.8	2.8	14	20	14
1.0	32/0.2	0.8	3.0	17	18	17
1.5	30/0.25	0.8	3.3	21	16	23
2.5	50/0.25	0.8	3.7	30	14	33
4.0	56/0.3	0.8	4.3	41	12	49
6.0	84/0.3	0.8	5.1	53	10	70
10.0	80/0.4	1.20	6.8	75	8	128
16.0	126/0.4	1.60	9.2	100	6	186
25.0	196/0.4	1.60	10.6	136	4	277
35.0	276/0.4	1.60	11.6	167	2	373
50.0	396/0.4	2.10	14.4	204	1	578
70.0	360/0.5	2.10	16.5	259	2/0	783
95.0	475/0.5	2.10	18.7	321	3/0	1004
120.0	608/0.5	2.10	20.0	362	4/0	1320

### Colours -

Black, Blue, Brown, Dark Blue, Green, Green/Yellow, Grey, Light Blue, Orange, Pink, Red, Violet, White, Yellow. Other colours / stripe combinations made to order.

### Packaging -

50, 100, 500 metre reels. Barrels and other lengths available upon request.

### Technical -

#### Construction

Plain annealed Class 5 copper conductor  
PVC Insulation: Heat resisting 105°C  
Minimum working temperature -15°C

#### Current Rating

1. Single conductor in free air
2. Ambient temperature of 45°C
3. Conductor operating temperature of 85°C

#### Minimum Bending Radius

6 x overall diameter