

# TRI-RATED CABLE SPECIFICATION

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

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

To CSA Type TEW, UL Type AWM Style 1015 (Incl. 1028, 1283 and 1284) and BS 6231  
Flexible Class 5 High Temperature flame-retardant single core, rated voltage 600V AC / 1000V DC

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 1,000m kgs
0.5	16/0.2	0.8	2.63	11	22	12
0.75	24/0.2	0.8	2.83	14	20	14
1.0	32/0.2	0.8	3.00	17	18	17
1.5	30/0.25	0.8	3.30	21	16	23
2.5	50/0.25	0.8	3.70	30	14	33
4.0	56/0.3	0.8	4.40	41	12	49
6.0	84/0.3	0.8	4.90	53	10	70
10.0	80/0.4	1.14	6.50	75	8	128
16.0	126/0.4	1.55	9.05	100	6	186
25.0	196/0.4	1.55	10.55	136	4	277
35.0	276/0.4	1.55	11.90	167	2	373
50.0	396/0.4	2.05	14.75	204	1	578
70.0	360/0.5	2.05	16.55	259	2/0	783
95.0	475/0.5	2.05	18.75	321	3/0	1004
120.0	608/0.5	2.05	20.00	362	4/0	1320

### Colours -

Black, Grey, Blue, Light Blue, Dark Blue, Brown, Green, Orange, Pink, Red, Violet, Yellow, White, Green/Yellow.

### Packaging -

100, 500, 1,000 metre reels. Barrels and other lengths available upon request.

### Technical -

#### Construction

Plain annealed 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 35°C  
3. Conductor temperature rise of 35°C