

# DOUBLE INSULATED TRI-RATED CABLE SPECIFICATION

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

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

Flexible plain annealed Class 5 copper conductor.  
High temperature flame-retardant PVC double insulation.

Voltage rating 600/1000V (Uo/U)

Nominal Cross Sectional Area of Conductor mm <sup>2</sup>	Nominal No. & Diameter of Wires mm	Core Radial Thickness of Insulation mm	Sheath Radial Thickness mm	Nominal Overall Diameter mm	Maximum AMPS	Approx AWG
2.5	50/0.25	0.8	0.8	5.45	30	14
4.0	56/0.30	0.8	0.9	6.05	41	12
6.0	84/0.30	0.8	0.9	6.90	53	10
10.0	80/0.40	1.20	0.9	8.55	75	8
16.0	126/0.40	1.60	1.0	11.30	100	6
25.0	196/0.40	1.60	1.1	13.00	136	4
35.0	276/0.40	1.60	1.1	14.35	167	2
50.0	396/0.40	2.10	1.1	17.45	204	1
70.0	360/0.50	2.10	1.1	18.70	259	2/0
95.0	475/0.50	2.10	1.1	20.75	321	3/0

### Colours -

Black is standard with other colours available upon request.

### Packaging -

This product is made to order on 50m and 100m reels with an MOQ.

### 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