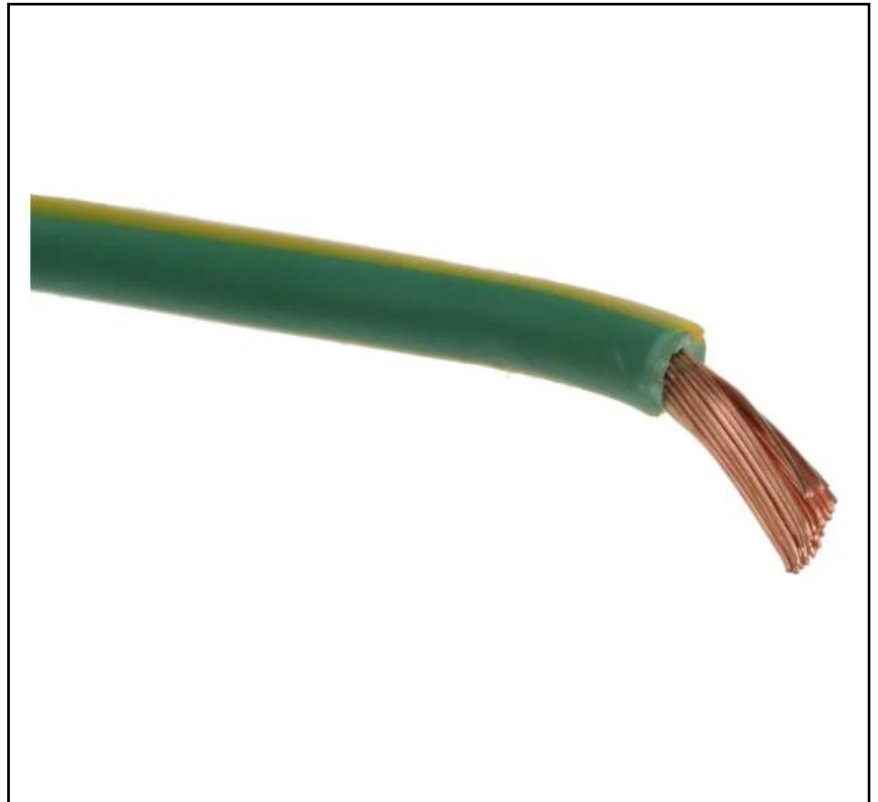


## FEATURES

- Maximum operating temperature of 70°C
- A voltage rating of 600V/1000V
- Available in 25m & 100m length
- Single core cable design

## RS PRO Green/Yellow FLEXIBLE BK Tri-rated Cable, 2.5mm<sup>2</sup> CSA, 1kV, 25m

RS Stock No.: 811-4450



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price

### Product Description

From RS PRO, comes a range of high quality and great value Tri-rated cables. Manufactured with a premium copper conductor and insulated with PVC (Polyvinyl Chloride), these Tri-rated cables are a fantastic solution for use in control panels and other types of electrical equipment.

### General Specifications

<b>Type</b>	FLEXIBLE BK
<b>Tri-rated</b>	Yes
<b>Sheath Colour</b>	Yellow/Green
<b>Fire Behaviour</b>	Flame Retardant
<b>Application</b>	Electrical cabinets, Industrial electrical installations, Small electronic devices, Relay and instrumentation panels, Control metering, Motor starters

### Electrical Specifications

<b>Voltage Rating</b>	1kV
<b>Conductor Material</b>	Copper
<b>Insulation Material</b>	PVC
<b>Conductor Resistance</b>	7.98Ohm/km at 20°C

## Mechanical Specifications

<b>Length</b>	100m
<b>Cross Sectional Area</b>	2.5mm <sup>2</sup>
<b>Outer Diameter</b>	4.2mm
<b>American Wire Gauge</b>	13
<b>Core Strands</b>	50/0.25 mm
<b>Size of Strands</b>	0.25mm
<b>Insulation Wall Thickness</b>	0.8mm
<b>Minimum Bend Radius</b>	6 x Overall Diameter
<b>Weight</b>	32.90kg/km

## Operation Environment Specifications

<b>Maximum Operating Temperature</b>	70°C
<b>Maximum Conductor Temperature</b>	105°C in air; 60°C in oil

## Approvals

<b>Compliance/Certifications</b>	BS6231
<b>Standards Met</b>	BS6231

AWM Size	Area mm <sup>2</sup>	Wire Type	UL Style	Nominal R/T (mm)	Nominal Diam (mm)	Current Rating (A)	Weight Kg/Km
22	0.5	16/0.2	1015	0.80	2.6	11	1
20	0.75	24/0.2	1015	0.80	2.8	14	14
18	1.0	32/0.2	1015	0.80	3.0	17	17
16	1.5	30/0.25	1015	0.80	3.3	21	22
14	2.5	50/0.25	1015	0.80	3.7	30	33
12	4.0	56/0.3	1015	0.80	4.3	41	49
10	6.0	84/0.3	1015	0.80	5.1	53	71
8	10	80/0.4	1028	1.20	6.8	75	124
6	16	126/0.4	1283	1.58	9.2	100	199
4	25	196/0.4	1283	1.58	10.6	136	290
2	35	276/0.4	1283	1.58	11.6	167	387
1	50	396/0.4	1284	2.10	14.4	190	570
2/0	70	360/0.5	1284	2.10	16.5	240	781
3/0	95	475/0.5	1284	2.10	18.7	300	1025
4/0	120	608/0.5	1284	2.10	20.0	340	1280

