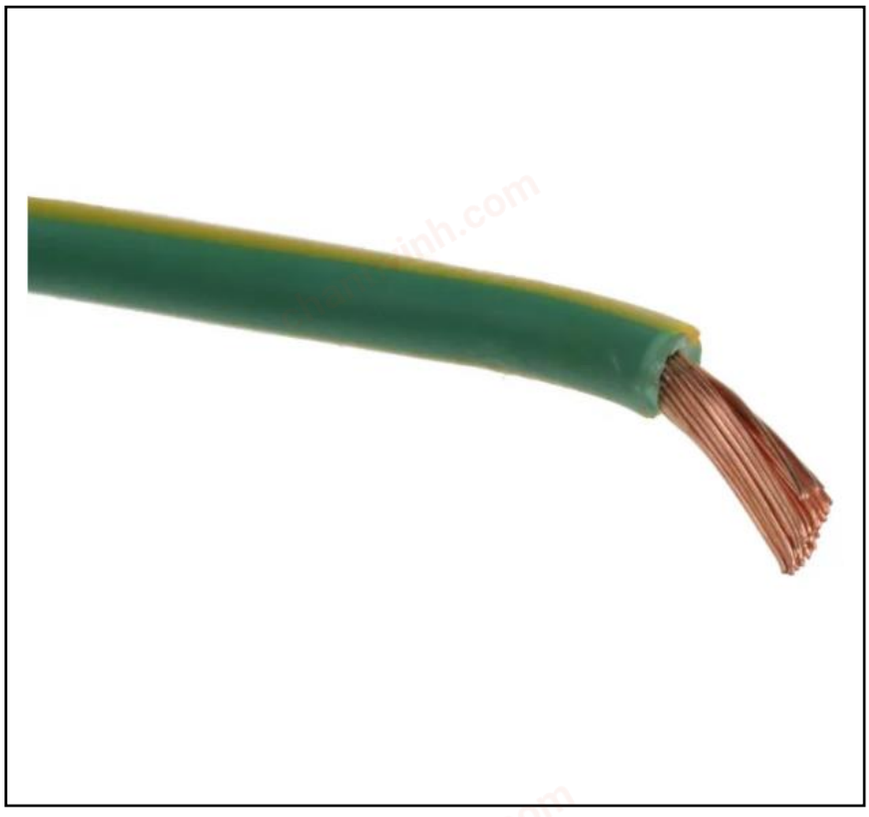
Tri-rated Cable

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, 2.5mm² 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

Tri-rated Cable

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

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

Electrical Specifications

Voltage Rating	1kV
Conductor Material	Copper
Insulation Material	PVC
Conductor Resistance	7.98Ohm/km at 20ºC

Tri-rated Cable

Mechanical Specifications

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

Operation Environment Specifications

Maximum Operating Temperature	70°C
Maximum Conductor Temperature	105°C in air; 60°C in oil

Approvals

Compliance/Certifications	BS6231
Standards Met	BS6231

AWM Size	Area mm^2	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

Tri-rated Cable



