

## FEATURES

- Available in either 25m or 100m length
- Flame retardant
- Single core cable design
- Meets BS6231 standards

## RS PRO Black Single Core x 2.5sqmm (Class 5 PCW), PVC Insulated, 600/1000V, Type BK, 25m

RS Stock No.: 811-4447



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>	BK
<b>Tri-rated</b>	Yes
<b>Sheath Colour</b>	Black
<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>	600/1000V
<b>Conductor Material</b>	48/0.245mm Plain Annealed Copper (Class 5 to IEC 60228)
<b>Insulation Material</b>	PVC (Type TI1 to BS EN 50363)
<b>Conductor Resistance</b>	7.98 $\Omega$ /km @ 20°C (Maximum)

### Mechanical Specifications

Length	25mm
Cross Sectional Area	2.5mm <sup>2</sup>
Outer Diameter	4.2mm
American Wire Gauge	13
Core Strands	50/0.25mm
Size of Strands	0.25mm
Insulation Wall Thickness	0.8mm
Minimum Bend Radius	6 x Overall Diameter
Weight	32.90kg/km
Diameter Over Insulation	Lower Limit: 3.40mm ; Upper Limit: 4.10mm

### Operation Environment Specifications

Temperature Range	-15 to +70°C
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### Approvals

Standards Met	BS 6231:2006
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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