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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.

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

Tri-rated Cable

Mechanical Specifications

Length	25mm
Cross Sectional Area	2.5mm^2
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

Approvals

Standards Met	BS 6231:2006

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