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FEATURES

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

RS PRO Black Single Core x 6.0sqmm (Class 5 PCW), PVC Insulated, 600/1000V, Type BK, 25m

RS Stock No.: 516-7906



RS PRO 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 annealed 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
Current Rating	48A
Conductor Material	78/0.295mm Plain Annealed Copper (Class 5 to IEC 60228)
Insulation Material	PVC (Type TI1 to BS EN 50363)
Conductor Resistance	3.30 Ω/km @ 20°C (Maximum)

Tri-rated Cable

Mechanical Specifications

Length	25m
Cross Sectional Area	6mm^2
Outer Diameter	4.9mm (+/-0.4mm)
American Wire Gauge	9
Core Strands	80/0.3mm
Size of Strands	0.3mm
Insulation Wall Thickness	0.80mm (Nominal)
Minimum Bend Radius	6 x Overall Diameter
Weight	70.80kg/km
Diameter Over Insulation	Lower Limit: 4.40mm ; Upper Limit: 5.30mm

Operation Environment Specifications

Temperature Range	-15 to +70°C

Approvals

Standards Met	BS 6231:2006



Tri-rated Cable



AWM Size	Size (mm^2)	Max diam of wires in conductor mm	Maximum resistance at 20°C Ω/Km	UL Style	Nominal R/T(mm)	Nominal Diam (mm)	Current Rating (A)	Weight (Kg/km)
22	0.5	0.21	39.0	1015	0.8	2.6	11	11
20	0.75	0.21	26.0	1015	0.8	2.8	14	14
18	1	0.21	19.5	1015	0.8	3	17	17
16	1.5	0.26	13.3	1015	0.8	3.3	21	22
14	2.5	0.26	7.98	1015	0.8	3.7	30	33
12	4	0.31	4.95	1015	0.8	4.3	41	49
10	6	0.31	3.30	1015	0.8	5.1	53	71
8	10	0.41	1.91	1028	1.2	6.8	75	124
6	16	0.41	1.21	1283	1.58	9.2	100	199
4	25	0.41	0.78	1283	1.58	10.6	136	290
2	35	0.41	0.554	1283	1.58	11.6	167	387
1	50	0.41	0.386	1284	2.1	14.4	190	570
2/0	70	0.51	0.272	1284	2.1	16.5	240	781
3/0	95	0.51	0.206	1284	2.1	18.7	300	1025
4/0	120	0.51	0.121	1284	2.1	20	340	1280