

## FEATURES

- Conductor stranding is flexible,
- Oil resistant with temperatures up to 60°C
- Manufactured within the United Kingdom
- Variety of sheath colours
- Suitable for wiring circuits

## RS PRO Black Tri-rated Cable, 1mm<sup>2</sup> CSA, 1kVdc, 600Vac, 17A, 100m

RS Stock No.: 180-5936



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

Our RS Pro tri-rated cable has been designed to be used within electrical equipment, most commonly for wiring items that include power switchgear. The cable is also great for internal connections within rectifier equipment, motor starters, and controllers. Our RS PRO tri-rated cable range features highly durable wires that are made with flexible copper and are encased with a HR PVC (heat resistant polyvinyl chloride) insulation. The high maximum operating temperature of 105°C allows them to be used with a wide variety of applications such as electrical cabinets. RS PRO tri-rated cables are available in a variety of different coloured HR PVC sheaths including blue, black, red, brown, green, yellow and many more, to accommodate for a number of applications

## General Specifications

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

## Electrical Specifications

<b>Voltage Rating</b>	1kVDC, 600VAC
<b>Current Rating</b>	17A
<b>Conductor Material</b>	Copper
<b>Insulation Material</b>	PVC

## Mechanical Specifications

<b>Length</b>	100m
<b>Cross Sectional Area</b>	1mm <sup>2</sup>
<b>Outer Diameter</b>	3mm
<b>Core Strands</b>	32/0.2mm
<b>Size of Strands</b>	0.2mm
<b>Weight</b>	18kg/km

## Operation Environment Specifications

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

## Approvals

<b>Compliance/Certifications</b>	CSA , UL ,BSI , RoHS Certificate Of Compliance
<b>Standards Met</b>	BS6231



<b>Stock number:</b>	<b>180-5936</b>	<b>Black tri-rated cable 1.0mm 100m</b>
	<b>180-5941</b>	<b>Blue tri-rated cable 1.0mm 100m</b>
	<b>180-5933</b>	<b>Brown tri-rated cable 1.0mm 100m</b>
	<b>180-5970</b>	<b>Green tri-rated cable 1.0mm 100m</b>
	<b>180-5934</b>	<b>Green/yellow tri-rated cable 1.0mm 100m</b>
	<b>180-5942</b>	<b>Grey tri-rated cable 1.0mm 100m</b>
	<b>180-5940</b>	<b>Orange tri-rated cable 1.0mm 100m</b>
	<b>180-5944</b>	<b>Pink Tri-rated cable 1mm 100m</b>
	<b>180-5938</b>	<b>Red tri-rated cable 1.0mm 100m</b>
	<b>180-5943</b>	<b>Violet tri-rated cable 1.0mm 100m</b>
	<b>180-5937</b>	<b>White tri-rated cable 1.0mm 100m</b>
	<b>180-5939</b>	<b>Yellow tri-rated cable 1.0mm 100m</b>