

## FEATURES

- PVC sheath material for insulation
- Various colours to choose from, including red, blue and green
- Sizes range from 0.5mm<sup>2</sup> CSA/22 AWG up to 2.5mm<sup>2</sup> CSA/14 AWG
- Variety of conductors, including - BS6004, Class 5 and Plain annealed
- Supplied on a 100m reel

## RS PRO Brown, Single Core x 2.5sqmm (Class 5 PCW), PVC Insulated, 450/750V, H07V-K, 100m

RS Stock No.: 544-1771



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

Brought to you by RS Pro, a range of hook up wire. Suitable for electrical power, lighting and internal wiring applications. All of the standard equipment wire within this range is 100 m in length and with a variety of sheath colours to choose from, they are suitable for various applications. Due to robust and carefully manufactured copper conductor, all models are highly reliable and excellent quality

## General Specifications

<b>Type</b>	Equipment Wire
<b>Conductor Material</b>	48/0.245mm Plain Annealed Copper (Class 5 to IEC 60228)
<b>Sheath Colour</b>	Brown
<b>Insulation Material</b>	PVC (Type T11 to BS EN 50363)
<b>Wire Style</b>	2491X
<b>Shield Type</b>	Unshielded
<b>Number of Strands</b>	50

## Electrical Specifications

<b>American Wire Gauge</b>	13AWG
<b>Core Strands</b>	50/0.25 mm
<b>Voltage Rating</b>	450/750V
<b>Current Rating</b>	25A
<b>Harmonised Code</b>	H07V-K
<b>Conductor Resistance</b>	7.98Ohms/1000ft
<b>Spark Test</b>	6000Volts RMS
<b>Conductor Resistance</b>	7.98 $\Omega$ /km @ 20°C (Maximum)

## Mechanical Specifications

Cross Sectional Area	2.5mm <sup>2</sup>
Outer Diameter	4.1mm
Length	100m
Insulation Wall Thickness	0.80mm (Nominal)
Conductor diameter (mm)	50/0.25mm
Nominal diameter of insulation	0.8mm
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

Compliance/Certifications	BASEC
Standards Met	BS EN 50525-2-31 Section 4.2 Table B.2



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Voltage ratings:	
between conductor and earth	300V (0.5 to 1mm <sup>2</sup> )
	450V (1.5 to 2.5mm <sup>2</sup> )
between conductors	500V (0.5 to 1mm <sup>2</sup> )
	750V (1.5 to 2.5mm <sup>2</sup> )