

FEATURES

- PVC sheath material for insulation
- Various colours to choose from, including red, blue and green
- Sizes range from 0.5mm² CSA/22 AWG up to 2.5mm² CSA/14 AWG
- Variety of conductors, including - BS6004, Class 5 and Plain annealed
- Supplied on a 100m reel

RS PRO Single Core x 0.5mm² (Class 5 PCW), PVC Insulated, 300/500V, H05V-K

RS Stock No.: 361-579



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

Type	Equipment Wire
Conductor Material	16/0.192mm Plain Annealed Copper (Class 5 to IEC 60228)
Sheath Colour	Black
Insulation Material	PVC (Type T11 to BS EN 50363)
Wire Style	2491X
Shield Type	Unshielded
Application	Circuit boards, Computer Internals, Vehicle lights, Mobile phones and other battery operated devices

Electrical Specifications

American Wire Gauge	20AWG
Core Strands	16/0.2mm
Voltage Rating	300/500V
Current Rating	3A
Harmonised Code	H05V-K

Mechanical Specifications

Cross Sectional Area	0.5mm ²
Outer Diameter	2.5mm
Length	100m
Insulation Wall Thickness	0.6mm
Conductor diameter (mm)	16/0.2mm
Nominal diameter of insulation	2.2mm
Diameter Over Insulation	Lower Limit: 2.10mm; Upper Limit: 2.50mm

Operation Environment Specifications

Maximum Operating Temperature	70°C
Temperature Range	-15 to +70°C
Conductor Resistance	39.0 Ω/km @ 20°C (Maximum)

Approvals

Compliance/Certifications	BASEC
Standards Met	BS EN 50525-2-31 Section 4.4 Table B.4





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