

## FEATURES

- Copper conductor
- Manufactured to BS7211
- BASEC certified
- LSZH

## RS PRO Black, 2.5 mm<sup>2</sup> Equipment Wire, 100m

RS Stock No.: 763-7630



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 equipment wire suitable for internal electronic wiring within circuit boards and control panels. Supplied with a PVC insulation and supplied on a reel, this hookup wire is an excellent addition for your application. All models are highly reliable and excellent quality.

## General Specifications

<b>Type</b>	Equipment Wire
<b>Conductor Material</b>	Copper
<b>Sheath Colour</b>	Black
<b>Insulation Material</b>	Low Smoke Halogen Free (LSZH)
<b>Wire Style</b>	A harmonised, halogen free wire
<b>Fire Behaviour</b>	Halogen Free (LSZH)

## Electrical Specifications

<b>American Wire Gauge</b>	13AWG
<b>Core Strands</b>	50/0.25mm
<b>Voltage Rating</b>	300/500V
<b>Harmonised Code</b>	2491B
<b>Conductor Resistance</b>	7.98Ω/km Max @ 20°C
<b>Minimum Bend Radius</b>	3 x overall diameter

## Mechanical Specifications

<b>Cross Sectional Area</b>	2.5mm <sup>2</sup>
<b>Outer Diameter</b>	3.25mm
<b>Length</b>	100m
<b>Insulation Wall Thickness</b>	0.8mm
<b>Weight</b>	33kg/km

## Operation Environment Specifications

<b>Minimum Operating Temperature</b>	0°C
<b>Maximum Operating Temperature</b>	90°C
<b>Operating Temperature Range</b>	0°C to 90°C

## Approvals

<b>Compliance/Certifications</b>	BASEC certified
<b>Standards Met</b>	BS EN 50525-3-41



Area (mm <sup>2</sup> )	Construction	Insulation Thickness (mm)	Overall Diameter (mm)	Conductor Resistance @ 20°C (Ω/km Max)	Insulation Resistance @ 90°C (Ω/km Max)	Nominal Weight (kg/km)
0.5	16/0.2mm <sup>2</sup>	0.6	2.18	39	0.0130	9
0.75	24/0.2mm <sup>2</sup>	0.6	2.34	26	0.0110	13
1	32/0.2mm <sup>2</sup>	0.6	2.52	19.50	0.0100	16
1.5	30/0.25mm <sup>2</sup>	0.7	3	13.30	0.0100	21
2.5	50/0.25mm <sup>2</sup>	0.8	3.25	7.98	0.0090	33
4	56/0.3mm <sup>2</sup>	0.8	4.12	4.95	0.0070	47
6	84/0.3mm <sup>2</sup>	0.8	4.9	3.30	0.0060	66
10	80/0.4mm <sup>2</sup>	1.0	6.05	1.91	0.0056	111