

## FEATURES

- A plain copper conductor
- A voltage rating of 600 / 1000 V
- Class 5 flexibility
- A HR PVC (Heat Resistant PVC) insulation

# RS PRO Single Core x 1.0sqmm (Class 5 PCW), HRPVC Insulated, 600/1000V, Tri-Rated

RS Stock No.: 906-2707



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

From RS Pro a high quality Tri Rated cable with a 1 m length and colour coding recognised under the European Harmonised designation (HAR) codes H05V2-K and H07V2-K

### General Specifications

<b>Type</b>	Tri-rated
<b>Tri-rated</b>	Yes
<b>Sheath Colour</b>	Dark Blue
<b>Harmonised Code</b>	H05V2-K and H07V2-K

### Electrical Specifications

<b>Voltage Rating</b>	600/1000V
<b>Current Rating</b>	17A
<b>Conductor Material</b>	32/0.192mm Plain Annealed Copper (Class 5 to IEC 60228)
<b>Insulation Material</b>	HRPVC (Type TI3 to BS EN 50363)

### Mechanical Specifications

<b>Length</b>	100m
<b>Cross Sectional Area</b>	1mm <sup>2</sup>
<b>Outer Diameter</b>	3mm
<b>American Wire Gauge</b>	18
<b>Core Strands</b>	32/0.2mm
<b>Size of Strands</b>	0.2mm
<b>Insulation Wall Thickness</b>	0.80mm (Nominal)
<b>Diameter Over Insulation</b>	Lower Limit: 2.70mm; Upper Limit: 3.30mm
<b>Conductor Resistance</b>	19.5 Ω/km @ 20°C (Maximum)

## Operation Environment Specifications

<b>Maximum Operating Temperature</b>	105°C
<b>Maximum Conductor Temperature</b>	105°C in air; 60°C in oil
<b>Temperature Range</b>	-15 to +105°C

## Approvals

<b>Compliance/Certifications</b>	UL & CSA
<b>Standards Met</b>	UL 1015 & CSA Type TEW & BS 6231 Type CK



RS Stock no.	Sheath Colour	Area (sq.mm)	Approx AWG	Conductor nom. (mm)	Nom r/t (mm)	Nom Diam (mm)	Max Temp °C	AWM Style No.	Max* Amps
516-8094	Red	25	4	196/0.4	1.6	10.6	105	1283	136
516-8117	Green/ Yellow	25	4	196/0.4	1.6	10.6	105	1283	136
628-5291	Mid-Blue	10	8	80/0.4	1.2	6.8	105	1028	75
628-5314	Red	10	8	80/0.4	1.2	6.8	105	1028	75
628-5320	Black	10	8	80/0.4	1.2	6.8	105	1028	75
628-5336	Yellow	10	8	80/0.4	1.2	6.8	105	1028	75
628-5342	Black	16	6	126/0.4	1.6	9.2	105	1283	100
628-5358	Green/ Yellow	10	8	80/0.4	1.2	6.8	105	1028	75
628-5364	Mid-Blue	16	6	126/0.4	1.6	9.2	105	1283	100
628-5370	Red	16	6	126/0.4	1.6	9.2	105	1283	100
628-5386	Yellow	16	6	126/0.4	1.6	9.2	105	1283	100
628-5409	Green/ Yellow	16	6	126/0.4	1.6	9.2	105	1283	100
628-5421	Red	25	4	196/0.4	1.6	10.6	105	1283	136
628-5465	Green/ Yellow	25	4	196/0.4	1.6	10.6	105	1283	136
628-5493	Brown	10	8	80/0.4	1.2	6.8	105	1028	75

RS Stock no.	Sheath Colour	Area (sq.mm)	Approx AWG	Conductor nom. (mm)	Nom r/t (mm)	Nom Diam (mm)	Max Temp °C	AWM Style No.	Max* Amps
628-5516	Grey	10	8	80/0.4	1.2	6.8	105	1028	75
906-2694	Dark Blue	0.5	22	16/0.2	0.8	2.6	105	1015	11
906-2701	Dark Blue	1.5	16	30/0.25	0.8	3.3	105	1015	21
906-2704	Dark Blue	0.75	20	24/0.2	0.8	2.8	105	1015	14
906-2707	Dark Blue	1	18	32/0.2	0.8	3.0	105	1015	17
906-2710	Dark Blue	2.5	14	50/0.25	0.8	3.7	105	1015	30
906-2713	Dark Blue	4	12	56/0.3	0.8	4.3	105	1015	41
9062717	Dark Blue	6	10	84/0.3	0.8	5.1	105	1015	53
906-2726	Dark Blue	10	8	80/0.4	1.2	6.8	105	1028	75
906-2729	Dark Blue	16	6	126/0.4	1.6	9.2	105	1283	100