

## 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 10.0sqmm (Class 5 PCW), HRPVC Insulated, 600/1000V, Tri-Rated

RS Stock No.: 628-5516



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>	Grey
<b>Harmonised Code</b>	H05V2-K and H07V2-K
<b>Application</b>	Electrical cabinets, Switch control in power switchgear, Relay and instrumentation panels of power switchgear, Internal connectors in rectifier equipment, Motor starters and controllers, Small electrical devices, Industrial electrical installations, Panel building

### Electrical Specifications

<b>Voltage Rating</b>	600V
<b>Current Rating</b>	75A
<b>Conductor Material</b>	72/0.40mm Plain Annealed Copper (Class 5 to IEC 60228)
<b>Insulation Material</b>	HRPVC (Type TI3 to BS EN 50363)
<b>Conductor Resistance</b>	1.91 $\Omega$ /km @ 20°C (Maximum)

### Mechanical Specifications

<b>Length</b>	100m
<b>Cross Sectional Area</b>	10mm <sup>2</sup>
<b>Outer Diameter</b>	6.8mm
<b>American Wire Gauge</b>	8
<b>Core Strands</b>	72/0.4mm
<b>Size of Strands</b>	0.4mm
<b>Insulation Wall Thickness</b>	1.2mm
<b>Diameter Over Insulation</b>	Lower Limit: 5.70mm; Upper Limit: 7.20mm

### 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 1028 & 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