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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 2.5sqmm (Class 5 PCW), HRPVC Insulated, 600/1000V, Tri-Rated

RS Stock No.: 906-2710



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.

Tri-rated Cable

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

Type	Tri-rated
Tri-rated	Yes
Sheath Colour	Dark Blue
Harmonised Code	H05V2-K and H07V2-K
Application	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

Voltage Rating	600/1000V
Current Rating	30A
Conductor Material	48/0.245mm Plain Annealed Copper (Class 5 to IEC 60228)
Insulation Material	HRPVC (Type TI3 to BS EN 50363)
Conductor Resistance	7.98 Ω/km @ 20°C (Maximum)

Mechanical Specifications

Length	100m
Cross Sectional Area	2.5mm^2
Outer Diameter	3.7mm
American Wire Gauge	14
Core Strands	50/0.25mm
Size of Strands	0.25mm
Insulation Wall Thickness	0.8mm
Diameter Over Insulation	Lower Limit: 3.40mm, Upper Limit: 4.10mm

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Operation Environment Specifications

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

Approvals

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



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Tri-rated Cable

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

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