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

RS Stock No.: 628-5320



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.

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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	Black
Harmonised Code	H05V2-K and H07V2-K
Application	Electrical cabinets, Industrial electrical installations, Small electronic devices, Relay and instrumentation panels, Control metering, Motor starters

Electrical Specifications

Voltage Rating	600/1000V
Current Rating	75A
Conductor Material	72/0.40mm Plain Annealed Copper (Class 5 to IEC 60228)
Insulation Material	HRPVC (Type TI3 to BS EN 50363)
Conductor Resistance	1.91 Ω/km @ 20°C (Maximum)

Mechanical Specifications

Length	100m
Cross Sectional Area	10mm^2
Outer Diameter	6.8mm
American Wire Gauge	8
Core Strands	72/0.4mm
Size of Strands	0.4mm
Insulation Wall Thickness	1.20mm (Nominal)
Diameter Over Insulation	Lower Limit: 5.70mm; Upper Limit: 7.20mm

Tri-rated Cable

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 1028 & 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	72/0.4	1.2	6.8	105	1028	75
628-5314	Red	10	8	72/0.4	1.2	6.8	105	1028	75
628-5320	Black	10	8	72/0.4	1.2	6.8	105	1028	75
628-5336	Yellow	10	8	72/0.4	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	72/0.4	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	72/0.4	1.2	6.8	105	1028	75

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
628-5516	Grey	10	8	72/0.4	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	72/0.4	1.2	6.8	105	1028	75
906-2729	Dark Blue	16	6	126/0.4	1.6	9.2	105	1283	100