Features

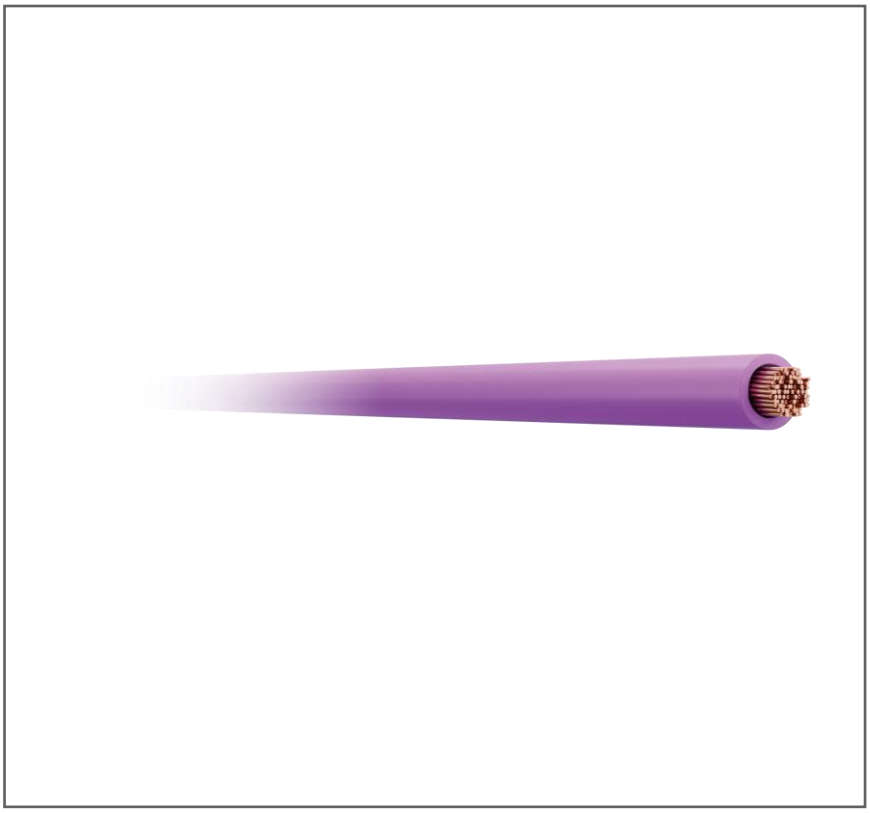
- Low voltage wiring suitable for use across automotive, marine and industrial applications such as wire harnesses.
- Good resistance to petrol, diesel, lubricating oils & diluted acids, as well as surface abrasion and cut through.
- Min Bend Radius – <6x OD

Standards (Compliance / Certification):

- BS EN 60228:2005 – Bare Copper
- ISO6722-1:2011 Class B
- IEC60332.1.2 – Flame Retardancy

RS PRO Thin Wall Single Core 1.5mm²

RS Stock No.: 907534, 907536, 907537, 907538, 907562, 907564, 907565, 907566, 907567, 907568, 907569, 907570, 907571, 907572, 907573, 907574, 907575, 907576, 907577, 907578, 907580, 907581, 907582, 907583



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

Low voltage wiring suitable for use across automotive, marine and industrial applications such as wire harnesses. High temperature, flame retardant and chemical resistant sheathing. Reduced insulation wall thickness gives considerable saving in weight and on volume especially in large harness construction. Good resistance to petrol, diesel, lubricating oils & diluted acids, as well as surface abrasion and cut through.

General Specifications

Number of Strands	21
Conductor Strand Type	Class 5 Conductor
Insulator Colour	Red, Black, Green, Light Green, Blue, Yellow, Brown, Purple, Pink, Slate Grey, White, Orange
Conductor Material	Bare Copper
Insulator Material	PVC
Fire Behaviour	IEC60332.1.2 Flame Retardancy

Electrical Specifications

Voltage Rating	12v/24v – 60v Max DC
Current Rating	21.0A
Conductor Resistance (at 20°C)	0.0127 Ω/m

Mechanical Specifications

Length	50m, 100m, 500m
Outer Diameter	2.3mm
Cross Sectional Area	1.5mm^2
Size of Strands	0.3mm
Core Strands	21

Operation Environment Specifications

Operating Temperature	-40° to 105°C

Approvals

Compliance/Certifications	ISO6722-1:2011, BS EN 60228:2005, IEC60332.1.2 ISO19642

Similar Products

Parameters	0.35mm²	0.5mm²	0.75mm²	1mm²
MPN/Article	TW.35	TW.5	TW.75	TW1.0
Number of Strands	12	16	24	32
Conductor Strand Type	Class 5 Conductor	Class 5 Conductor	Class 5 Conductor	Class 5 Conductor
Insulator Colour	See general specification	See general specification	See general specification	See general specification
Conductor Material	Bare Copper	Bare Copper	Bare Copper	Bare Copper
Insulator Material	PVC	PVC	PVC	PVC
Length	500m	50m, 100m, 500m	50m, 100m, 500m	30m, 50m, 100m, 500m
Outer Diameter	1.4mm	1.6mm	1.75mm	1.95mm
Cross Sectional Area	0.35mm²	0.5mm²	0.75mm²	1mm²
Size of Strands	0.2mm	0.2mm	0.2mm	0.2mm
Voltage Rating	12v/24v – 60v Max DC	12v/24v – 60v Max DC	12v/24v – 60v Max DC	12v/24v – 60v Max DC
Current Rating	7.0A	11.0A	14.0A	16.5A
Conductor Resistance (at 20°C)	0.0544 Ω/m	0.0371 Ω/m	0.0247 Ω/m	0.0185 Ω/m
Fire Behaviour	IEC60332.1.2 Flame Retardancy	IEC60332.1.2 Flame Retardancy	IEC60332.1.2 Flame Retardancy	IEC60332.1.2 Flame Retardancy

Thin Wall Single Core 1.5mm² Cable

Parameters	1.5mm²	2mm²	2.5mm²	3mm²
MPN/Article	TW1.5	TW2.0	TW2.5	TW3.0
Number of Strands	21	28	35	44
Conductor Strand Type	Class 5 Conductor	Class 5 Conductor	Class 5 Conductor	Class 5 Conductor
Insulator Colour	See general specification	See general specification	See general specification	See general specification
Conductor Material	Bare Copper	Bare Copper	Bare Copper	Bare Copper
Insulator Material	PVC	PVC	PVC	PVC
Length	50m,100m, 500m	30m,50m, 100m,500m	50m,100m, 300m	30m,100m, 300m
Outer Diameter	2.3mm	2.55mm	2.75mm	3.2mm
Cross Sectional Area	1.5mm²	2mm²	2.5mm²	3mm²
Size of Strands	0.3mm	0.3mm	0.3mm	0.3mm
Voltage Rating	12v/24v – 60v Max DC	12v/24v – 60v Max DC	12v/24v – 60v Max DC	12v/24v – 60v Max DC
Current Rating	21.0A	25.0A	29.0A	33.0A
Conductor Resistance (@ 20°C)	0.0127 Ω/m	0.00942 Ω/m	0.00760 Ω/m	0.00615 Ω/m
Fire Behaviour	IEC60332.1.2 Flame Retardancy	IEC60332.1.2 Flame Retardancy	IEC60332.1.2 Flame Retardancy	IEC60332.1.2 Flame Retardancy

Thin Wall Single Core 1.5mm² Cable

Parameters	4mm²	4.5mm²	6mm²	7mm²
MPN/Article	TW4.0	TW4.5	TW6.0	TW7.0
Number of Strands	56	65	84	97
Conductor Strand Type	Class 5 Conductor	Class 5 Conductor	Class 5 Conductor	Class 5 Conductor
Insulator Colour	See general specification	See general specification	See general specification	See general specification
Conductor Material	Bare Copper	Bare Copper	Bare Copper	Bare Copper
Insulator Material	PVC	PVC	PVC	PVC
Length	30m, 100m, 300m	30m, 100m, 300m	30m, 100m, 300m	30m, 100m
Outer Diameter	3.5mm	3.9mm	4.1mm	5.05mm
Cross Sectional Area	4mm²	4.5mm²	6mm²	7mm²
Size of Strands	0.3mm	0.3mm	0.3mm	0.3mm
Voltage Rating	12v/24v – 60v Max DC	12v/24v – 60v Max DC	12v/24v – 60v Max DC	12v/24v – 60v Max DC
Current Rating	39.0A	42.0A	50.0A	57.0A
Conductor Resistance (at 20°C)	0.00471 Ω/m	0.00406 Ω/m	0.00314 Ω/m	0.00279 Ω/m
Fire Behaviour	IEC60332.1.2 Flame Retardancy	IEC60332.1.2 Flame Retardancy	IEC60332.1.2 Flame Retardancy	IEC60332.1.2 Flame Retardancy

Thin Wall Single Core 1.5mm² Cable

Parameters	8.5mm²	10mm²	16mm²	25mm²
MPN/Article	TW8.5	TW10.0	TW16.0	TW25.0
Number of Strands	120	80	126	196
Conductor Strand Type	Class 5 Conductor	Class 5 Conductor	Class 5 Conductor	Class 5 Conductor
Insulator Colour	See general specification	See general specification	See general specification	See general specification
Conductor Material	Bare Copper	Bare Copper	Bare Copper	Bare Copper
Insulator Material	PVC	PVC	PVC	PVC
Length	30m, 100m	30m, 100m	10m, 30m, 100m	10m, 30m, 100m
Outer Diameter	5.5mm	5.6mm	7.3mm	8.45mm
Cross Sectional Area	8.5mm²	10mm²	16mm²	25mm²
Size of Strands	0.3mm	0.4mm	0.4mm	0.4mm
Voltage Rating	12v/24v – 60v Max DC	12v/24v – 60v Max DC	12v/24v – 60v Max DC	12v/24v – 60v Max DC
Current Rating	63.0A	70.0A	110.0A	170.0A
Conductor Resistance (at 20°C)	0.00220 Ω/m	0.00182 Ω/m	0.00116 Ω/m	0.000743 Ω/m
Fire Behaviour	IEC60332.1.2 Flame Retardancy	IEC60332.1.2 Flame Retardancy	IEC60332.1.2 Flame Retardancy	IEC60332.1.2 Flame Retardancy

The conductor specifications shown are representative configurations; actual cable strand may differ slightly but will meet the resistance values shown. Nominal current amperage ratings are provided as a guide only, and can vary depending on the application, condition and environmental factors. If in doubt, please consult a qualified electrician.