## Features

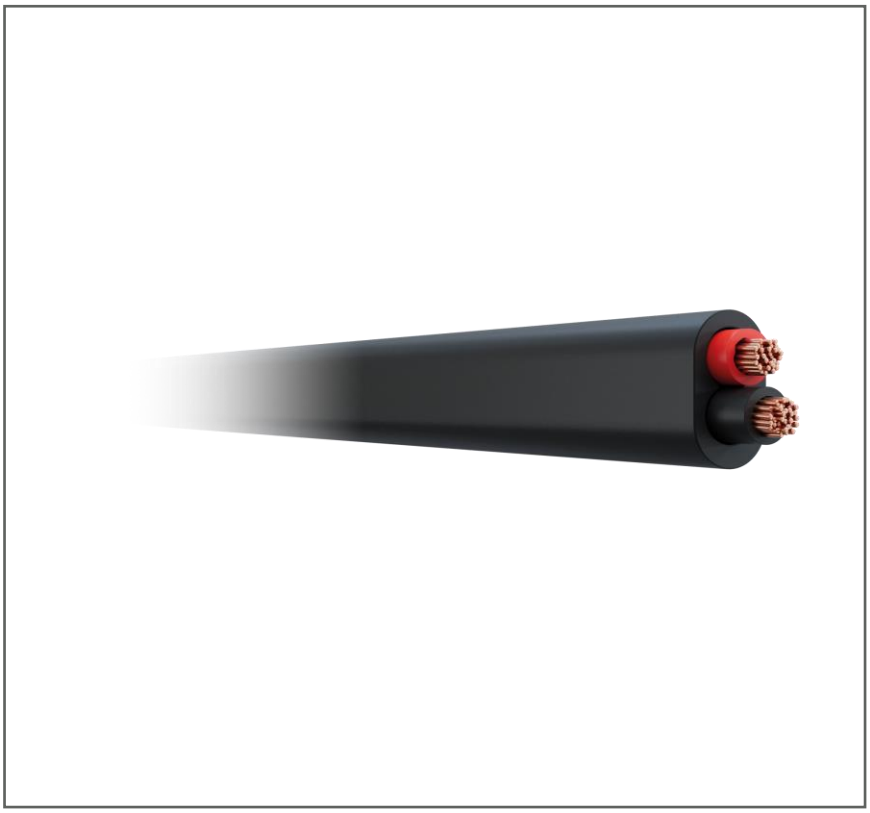
- Low voltage wiring suitable for use across automotive, marine and industrial applications such as wire harnesses.
- Good resistance to petrol, diesel, lubricating oils & diluted acids, as well as surface abrasion and cut through.
- Min Bend Radius – <6x OD

**Standards (Compliance / Certification):**

- BS EN 60228:2005 – Bare Copper
- ISO6722-1:2011
- ISO14572
- IEC60332.1.2 – Flame Retardancy

# RS PRO Thin Wall 2 Core (Flat Twin) 1.5mm²

**RS Stock No.: 907539, 907540, 907542, 907543, 907544, 907545, 907546, 907549, 907550**



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.

# Thin Wall 2 Core (Flat Twin) 1.5mm² Cable

## 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** | 2 x 21 |
| **Conductor Strand Type** | Class 5 Conductor |
| **Insulator Colour** | Black |
| **Core Colours** | Black, Red |
| **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 |

## Mechanical Specifications

| | |
|---|---|
| **Length** | 30m, 100m |
| **Maximum Overall Dimension** | 3.5 x 5.8 |
| **Cross Sectional Area** | 2 x 1.5mm² |
| **Size of Strands** | 0.3mm |
| **Core Strands** | 2 x 21 |

## Operation Environment Specifications

| | |
|---|---|
| **Operating Temperature** | -30° to 70°C |

## Approvals

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

## Similar Products

| Parameters | 0.5mm² | 0.75mm² | 1mm² | 1.5mm² |
|---|---|---|---|---|
| **MPN/Article** | TW02/06 | TW02/04 | TW02/01 | TW02/05 |
| **Number of Strands** | 2 x 16 | 2 x 24 | 2 x 32 | 2 x 21 |
| **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 |
| **Core Colours** | 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 | 30m, 50m, 100m, 500m | 30m, 100m |
| **Maximum Overall Dimension** | 2.7 x 4.6mm | 3.1 x 4.9mm | 3.0 x 5.0mm | 3.5 x 5.8mm |
| **Cross Sectional Area** | 2 x 0.5mm² | 2 x 0.75mm² | 2 x 1.0mm² | 2 x 1.5mm² |
| **Size of Strands** | 0.2mm | 0.2mm | 0.2mm | 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** | 11.0A | 14.0A | 16.5A | 21.0A |
| **Fire Behaviour** | IEC60332.1.2 Flame Retardancy | IEC60332.1.2 Flame Retardancy | IEC60332.1.2 Flame Retardancy | IEC60332.1.2 Flame Retardancy |

# Thin Wall 2 Core (Flat Twin) 1.5mm² Cable

| Parameters | 2mm² | 2.5mm² | 3mm² | 4.5mm² |
|---|---|---|---|---|
| **MPN/Article** | TW02/02 | TW02/07 | TW02/08 | TW02/09 |
| **Number of Strands** | 2 x 28 | 2 x 35 | 2 x 44 | 2 x 65 |
| **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 |
| **Core Colours** | 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, 50m, 100m | 30m, 100m | 30m, 100m | 30m, 100m |
| **Maximum Overall Dimension** | 3.9 x 6.5mm | 3.9 x 6.7mm | 4.3 x 7.5mm | 5.6 x 9.4mm |
| **Cross Sectional Area** | 2 x 2.0mm² | 2 x 2.5mm² | 2 x 3.0mm² | 2 x 4.5mm² |
| **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** | 25.0A | 29.0A | 33.0A | 42.0A |
| **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.