

# Equipment Wires

## Plain Stranded



PVC insulated plain stranded copper conductors to BS6500 up to 1 mm<sup>2</sup> and BS6004 up to 2.5 mm<sup>2</sup>. Harmonised codes H05V-K (0.5 to 1 mm<sup>2</sup>) and H07V-K (1.5 to 2.5 mm<sup>2</sup>) except yellow. Intended for use within electrical and electronic appliances, light fittings, control panels etc, where the combination of ambient temperature and load temperature rise results in a conductor temperature not exceeding 70°C

### Specifications:

#### Single wire:

Reference : 2491X PVC insulated 300 / 500 V harmonised code designation HO5V-K  
 Uses : For internal wiring  
 Conductor : High conductivity flexible plain annealed copper  
 Insulation : PVC  
 Insulation colours : Black, blue, brown, red, white, yellow and green

#### Cable Data Sheet:

Description : PVC insulated plain stranded copper conductors 0.5 mm<sup>2</sup> to 2.5 mm<sup>2</sup>  
 Conductor : 16/0.2 mm to 50/0.25 mm, plain annealed copper  
 Insulation : General purpose PVC, 0.6 mm to 0.8 mm nominal thickness, 2.6 mm to 4.1 mm nominal outside diameter  
 Temperature range : -15°C to +70°C  
 Conductor resistance : 7.98 Ω/1,000 m (for 2.5 mm<sup>2</sup>)  
 Voltage rating : 300/500 V (0.5 to 1.0 mm<sup>2</sup>), 450/750 V (1.5 to 2.5 mm<sup>2</sup>)  
 Spark test : 6,000 V<sub>rms</sub> (for 2.5 mm<sup>2</sup>)

### Specification Table

| Description                       | Conductor               |           | Nominal Wall Thickness | Nominal Outside Diameter Range (mm) | Current Rating (A) | Approximate Net Weight per 1,000-m (Kg) | Colour       | Length (m) | Part Number |
|-----------------------------------|-------------------------|-----------|------------------------|-------------------------------------|--------------------|---|--------------|------------|-------------|
|                                   | Area (mm <sup>2</sup> ) | Stranding |                        |                                     |                    |   |              |            |             |
| Wire, Black, 0.5 mm, 100 m        | 0.5                     | 16/0.2    | 0.6                    | 2.1 to 2.5                          | 3                  | 10                                      | Black        | 100        | CBBR0391    |
| Wire, Blue, 0.5 mm, 100 m         |                         |           |                        |                                     |                    |   | Blue         |            | CBBR1523    |
| Wire, Brown, 0.5 mm, 100 m        |                         |           |                        |                                     |                    |   | Brown        |            | CBBR1524    |
| Wire, Red, 0.5 mm, 100 m          |                         |           |                        |                                     |                    |   | Red          |            | CBBR0392    |
| Wire, White, 0.5 mm, 100 m        |                         |           |                        |                                     |                    |   | White        |            | CBBR1525    |
| Wire, Yellow, 0.5 mm, 100 m       |                         |           |                        |                                     |                    |   | Yellow       |            | CBBR1526    |
| Wire, Green/Yellow, 0.5 mm, 100 m |                         |           |                        |                                     |                    |   | Green/Yellow |            | CBBR0390    |

Dimensions : Millimetres

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Specification Table

| Description                       | Conductor               |           | Nominal Wall Thickness | Nominal Outside Diameter Range (mm) | Current Rating (A) | Approximate Net Weight per 1000-m (Kg) | Colour       | Length (m) | Part Number |
|-----------------------------------|-------------------------|-----------|------------------------|-------------------------------------|--------------------|--|--------------|------------|-------------|
|                                   | Area (mm <sup>2</sup> ) | Stranding |                        |                                     |                    |  |              |            |             |
| Wire, Black, 0.75 mm, 100 m       | 0.75                    | 24/0.2    | 0.6                    | 2.2 to 2.7                          | 6                  | 13                                     | Black        | 100        | CBBR0394    |
| Wire, Blue, 0.75 mm, 100 m        |                         |           |                        |                                     |                    |  | Blue         |            | CBBR1527    |
| Wire, Brown, 0.75 mm, 100 m       |                         |           |                        |                                     |                    |  | Brown        |            | CBBR1528    |
| Wire, Red, 0.75 mm, 100 m         |                         |           |                        |                                     |                    |  | Red          |            | CBBR0395    |
| Wire, White, 0.75 mm, 100 m       |                         |           |                        |                                     |                    |  | White        |            | CBBR1529    |
| Wire, Yellow, 0.75 mm, 100 m      |                         |           |                        |                                     |                    |  | Yellow       |            | CBBR1530    |
| Wire, Green/Yellow, 0.75 mm, 10 m |                         |           |                        |                                     |                    |  | Green/Yellow |            | CBBR0393    |
| Wire, Black, 1 mm, 100 m          | 1                       | 32/0.2    | 0.6                    | 2.4 to 2.8                          | 10                 | 16                                     | Black        | 100        | CBBR0397    |
| Wire, Blue, 1 mm, 100 m           |                         |           |                        |                                     |                    |  | Blue         |            | CBBR1531    |
| Wire, Brown, 1 mm, 100 m          |                         |           |                        |                                     |                    |  | Brown        |            | CBBR1532    |
| Wire, Red, 1 mm, 100 m            |                         |           |                        |                                     |                    |  | Red          |            | CBBR0398    |
| Wire, White, 1 mm, 100 m          |                         |           |                        |                                     |                    |  | White        |            | CBBR1533    |
| Wire, Yellow, 1 mm, 100 m         |                         |           |                        |                                     |                    |  | Yellow       |            | CBBR1534    |
| Wire, Green/Yellow, 1 mm, 100 m   |                         |           |                        |                                     |                    |  | Green/Yellow |            | CBBR0396    |
| Wire, Black, 1.5 mm, 100 m        | 1.5                     | 30/0.25   | 0.7                    | 2.8 to 3.4                          | 16                 | -                                      | Black        | 100        | CBBR0400    |
| Wire, Blue, 1.5 mm, 100 m         |                         |           |                        |                                     |                    |  | Blue         |            | CBBR1535    |
| Wire, Brown, 1.5 mm, 100 m        |                         |           |                        |                                     |                    |  | Brown        |            | CBBR1536    |
| Wire, Red, 1.5 mm, 100 m          |                         |           |                        |                                     |                    |  | Red          |            | CBBR0401    |

Dimensions : Millimetres

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Specification Table

| Description                       | Conductor               |           | Nominal Wall Thickness | Nominal Outside Diameter Range (mm) | Current Rating (A) | Approximate Net Weight per 1,000-m (Kg) | Colour       | Length (m) | Part Number |
|-----------------------------------|-------------------------|-----------|------------------------|-------------------------------------|--------------------|---|--------------|------------|-------------|
|                                   | Area (mm <sup>2</sup> ) | Stranding |                        |                                     |                    |   |              |            |             |
| Wire, White, 1.5 mm, 100 m        | 1.5                     | 30/0.25   | 0.7                    | 2.8 to 3.4                          | 16                 | -                                       | White        | 100        | CBBR1537    |
| Wire, Yellow, 1.5 mm, 100 m       |                         |           |                        |                                     |                    |   | Yellow       |            | CBBR1538    |
| Wire, Green/Yellow, 1.5 mm, 100 m |                         |           |                        |                                     |                    |   | Green/Yellow |            | CBBR0399    |
| Wire, Black, 2.5 mm, 100 m        | 2.5                     | 50/0.25   | 0.8                    | 3.4 to 4.1                          | 25                 | -                                       | Black        |            | CBBR0403    |
| Wire, Blue, 2.5 mm, 100 m         |                         |           |                        |                                     |                    |   | Blue         |            | CBBR1539    |
| Wire, Brown, 2.5 mm, 100 m        |                         |           |                        |                                     |                    |   | Brown        |            | CBBR1540    |
| Wire, Red, 2.5 mm, 100 m          |                         |           |                        |                                     |                    |   | Red          |            | CBBR0404    |
| Wire, Green/Yellow, 2.5 mm, 100 m |                         |           |                        |                                     |                    |   | Green/Yellow |            | CBBR0402    |

Dimensions : Millimetres

Part Number Table

| Description                 | Part Number         |
|-----------------------------|---------------------|
| Wire, 2491X, White, 2.5 mm  | 2491X 2.50MM WHITE  |
| Wire, 2491X, Yellow, 2.5 mm | 2491X 2.50MM YELLOW |

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