

# Equipment Wires

pro-POWER

## 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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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 (mm²)	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		2.4 to 2.8	10	16	Black		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	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	

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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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