



# Single Core PVC Insulated Wires

## ▶ APPLICATION

These cables are intended for drawing into trunking and conduit and are suitable for use in electrical installations such as power, lighting, appliances and switchgear wiring.



## ▶ HARMONISED CODE

- 0.75mm<sup>2</sup> & 1.0mm<sup>2</sup> solid conductor wire H05V-U / H05V2-U
- 1.5mm<sup>2</sup> & 2.5mm<sup>2</sup> solid conductor wire H07V-U / H07V2-U
- 1.5mm<sup>2</sup> to 120mm<sup>2</sup> stranded conductor wire H07V-R / H07V2-R

## ▶ CONSTRUCTION

- Reference** : BSEN: 50525-2-31  
**Conductor** : Solid / stranded plain copper class 1 or 2 to BS6360/IEC60228-1/BSEN:60228  
**Insulation** : PVC Type TI 1 to BSEN:50363-3 / \*PVC Type TI 3 HR to BSEN:50363-3

## ▶ STANDARD COLOURS

- Colour** : Red, Yellow, Blue, Black, Green, Yellow/Green, Brown, Grey  
 Other colours available on request

## ▶ PACKAGING

- Sizes 0.75mm<sup>2</sup> to 35mm<sup>2</sup> in reels/coils of 100yards and 100m
- All sizes can be supplied in non-returnable wooden reels of 500m and 1000m
- Customised lengths available on request

## ▶ TECHNICAL DATA

- Max. Operating Temperature** : 70C / 90C / 105C  
**Rated Voltage** : 450/750V (300/500V for 0.75mm<sup>2</sup> & 1.0mm<sup>2</sup>)  
**Standards** : BSEN:50525-2-31/H07V-V/R/K

Nominal Cross-Sectional Area (mm <sup>2</sup> )	Conductor			Radial Thickness of Insulation (mm)	Approx. Overall Diameter (mm)	Approx. Nett Weight (kg/km)	Approx. Current Carrying Capacity (A)	Product Code
	Number of Strands	Diameter of Strand (mm)	Max. Resistance at 20°C (Ω/km)					
0.75	1	0.98	24.50	0.6	2.40	11	10	SCO0.75
1.00	1	1.13	18.10	0.6	2.60	14	12	SCO1.0
1.50	1	1.38	12.10	0.7	3.20	21	16	SCO1.5
1.50	7	0.53	12.10	0.7	3.30	22	16	SCI.5
2.50	1	1.78	7.410	0.8	3.90	32	21	SCO2.5
2.50	7	0.67	7.410	0.8	4.00	35	21	SC2.5
4.00	7	0.85	4.610	0.8	4.60	50	28	SC4.0
6.00	7	1.04	3.080	0.8	5.20	71	36	SC6.0
10.0	7	1.35	1.830	1.0	6.70	120	50	SCI10.0
16.0	7	1.70	1.150	1.0	7.80	180	68	SCI16.0
25.0	7	2.14	0.727	1.2	9.70	280	89	SC25.0
35.0	7	2.52	0.524	1.2	10.90	380	110	SC35.0
50.0	19	1.83	0.387	1.4	12.80	510	134	SC50.0
70.0	19	2.17	0.268	1.4	14.60	710	171	SC70.0
95.0	19	2.52	0.193	1.6	17.10	970	207	SC95.0
120.0	37	2.04	0.153	1.6	18.80	1200	239	SCI20.0
150.0	37	2.25	0.124	1.8	20.90	1480	262	SCI50.0
185.0	37	2.52	0.0991	2.0	23.30	1900	296	SCI85.0
240.0	61	2.24	0.0754	2.0	26.60	2480	346	SC240.0
300.0	61	2.50	0.0601	2.2	29.60	3100	394	SC300.0
400.0	61	2.85	0.0470	2.6	33.20	3940	467	SC400.0
500.0	91	2.65	0.0366	2.8	36.90	5000	533	SC500.0
630.0	91	2.97	0.0283	2.8	41.10	6350	611	SC630.0

Note:

\* 0.75mm<sup>2</sup> x single core HR PVC insulated 105°C available. Suitable for fluorescent lights wiring.