



Single Core PVC Insulated & Sheathed Wires

▶ APPLICATION

These cables are intended for surface wiring where there is little risk of mechanical damage and are suitable for use in electrical installations such as power and lighting.

▶ CONSTRUCTION

Reference : 6181Y
Conductor : Solid or stranded plain copper class 1 or 2 to BS6360/IEC60228-1
Insulation : PVC Type TI 1 to BS7655
Sheath : PVC Type TM 1 or Type 6 to BS7655



▶ STANDARD COLOURS

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

▶ PACKAGING

- Sizes 1.5mm² to 4mm² in reels/coils of 100yards and 100m
 - All sizes can be supplied in non-returnable wooden reels of 500m and 1000m

▶ TECHNICAL DATA

Max. Operating Temperature : 70°C
Rated Voltage : 1.0mm² to 35.0mm² - 300/500V
 50.0mm² and above - 600/1000V
Standards : 1.0mm² to 35.0mm² - BS6004
 50.0mm² and above - BS6346

Nominal Cross-Sectional Area (mm ²)	Conductor			Radial Thickness of Insulation (mm)	Radial Thickness of Sheath (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)						
1.00	1	1.13	18.10	0.60	0.80	4.50	26	12	SCS1.0
1.50	1	1.38	12.10	0.70	0.80	4.90	35	16	SCS1.5
2.50	1	1.78	7.410	0.80	0.80	5.80	49	21	SCS2.5
4.00	7	0.85	4.610	0.80	0.90	6.80	74	28	SCS4.0
6.00	7	1.04	3.080	0.80	0.90	7.40	97	36	SCS6.0
10.0	7	1.35	1.830	1.00	0.90	8.80	147	50	SCS10.0
16.0	7	1.70	1.150	1.00	1.00	10.50	218	68	SCS16.0
25.0	7	2.14	0.727	1.20	1.10	12.50	327	89	SCS25.0
35.0	7	2.52	0.524	1.20	1.10	13.50	426	110	SCS35.0
50.0	19	1.83	0.387	1.40	1.40	14.75	594	134	SCS50.0
70.0	19	2.17	0.268	1.40	1.40	16.45	793	171	SCS70.0
95.0	19	2.52	0.193	1.60	1.50	18.80	1062	207	SCS95.0
120.0	37	2.04	0.153	1.60	1.50	20.48	1307	239	SCS120.0
150.0	37	2.27	0.124	1.80	1.80	23.09	1646	262	SCS150.0
185.0	37	2.52	0.0991	2.00	2.00	25.64	2031	296	SCS185.0
240.0	37	2.87	0.0754	2.00	2.00	28.09	2563	346	SCS240.0
300.0	61	2.50	0.0601	2.20	2.20	31.03	3195	394	SCS300.0
400.0	61	2.85	0.0470	2.20	2.20	35.00	4156	467	SCS400.0
500.0	91	2.65	0.0366	2.20	2.20	38.50	5114	533	SCS500.0
630.0	91	2.97	0.0283	2.50	2.50	43.50	6459	611	SCS630.0