



# S.M.C

## Single Core Cables Cu/PVC

450 / 750 V – Single core

Copper Conductor PVC Insulated

Unsheathed Cables (CU / PVC)



Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size/Coil	Approx. Gross weight
Sqmm	Ohm/KM	mm	mm	kg/km	Yard/Meter		KG
1.0*	18.1	0.6	2.5	15	100Y	Coil	1.4
1.5**	12.1	0.7	3.0	21	100Y	Coil	1.9
1.5	12.1	0.7	3.2	22	100Y	Coil	2.0
2.5**	7.41	0.8	3.6	32	100Y	Coil	2.9
2.5	7.41	0.8	3.8	34	100Y	Coil	3.1
4	4.61	0.8	4.3	49	100Y	Coil	4.5
6	3.08	0.8	4.9	68	100Y	Coil	6.2
10	1.83	1.0	6.0	115	100Y	Coil	10.5
16	1.15	1.0	7.1	170	100Y	Coil	15.5
25	0.727	1.2	8.8	265	Meter±5% 1000M	D-9	24.3
35	0.524	1.2	9.9	360	1000M	D-10	420
50	0.387	1.4	11.4	490	1000M	D-9	550
70	0.268	1.4	13.0	690	1000M	D-10	750
95	0.193	1.6	15.3	950	500M	D-9	535
120	0.153	1.6	16.8	1180	500M	D-10	650
150	0.124	1.8	18.6	1480	500M	D-10	800
185	0.0991	2.0	20.6	1810	500M	D-11	1010
240	0.0754	2.2	23.5	2360	500M	D-12	1290
300	0.0601	2.4	25.9	2960	500M	D-12	1590
400	0.0470	2.6	29.2	3820	500M	D-16	2120
500	0.0366	2.8	32.6	4810	500M	D-18	2640
630	0.0283	2.8	38.2	6180	250M	D-14	1700



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\*Circular solid conductors (Class 1) And 300 / 500V.

\*\*Circular solid conductors (Class 1).

All other conductor's circular stranded or circular stranded compacted (Class 2).

Above cables are insulated with either PVC type 5 heat resisting 85 °C or T11 compound.

Cables rated 450 / 750V are suitable for voltages up to 1000V a.c or up to 750V to earth cables conform to BS 6004.