



# S.M.C

**Three Core Cables Cu/PVC/PVC 600/1000 V - THREE CORE  
COPPER CONDUCTOR PVC INSULATED PVC SHEATHED  
CABLES (CU/PVC/PVC)**



Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	Ohm/Km	mm	mm	mm	Kg/Km	Meter± 5%		Kg
1.5*	12.1	0.7	1.8	11.1	170	1000	D-8	220
1.5	12.1	0.7	1.8	11.5	180	1000	D-8	240
2.5*	7.41	0.8	1.8	11.9	225	1000	D-9	285
2.5	7.41	0.8	1.8	12.4	235	1000	D-9	295
4	4.61	0.8	1.8	13.9	300	1000	D-10	360
6	3.08	0.8	1.8	16.2	380	1000	D-11	480
10	1.83	1.0	1.8	17.6	560	1000	D-12	670
16	1.15	1.0	1.8	19.9	775	1000	D-12	885
25	0.727	1.2	1.8	21.2	1050	500	D-10	585
35	0.524	1.2	1.8	23.5	1360	500	D-11	780
50	0.387	1.4	1.8	27.1	1760	500	D-12	990
70	0.268	1.4	2.0	29.7	2390	500	D-12	1310
95	0.193	1.6	2.1	34.5	3240	500	D-16	1830
120	0.153	1.6	2.2	37.7	3990	500	D-18	2240
150	0.124	1.8	2.3	40.4	4900	500	D-18	2690
185	0.0991	2.0	2.5	45.1	6040	250	D-16	1720
240	0.0754	2.2	2.6	51.4	7740	250	D-18	2180
300	0.0601	2.4	2.8	56.1	9660	250	D-18	2660
400	0.0470	2.6	3.1	63.7	12410	250	D-18	3340
500	0.0366	2.8	3.4	69.1	15480	250	D-18	4110



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\* Circular solid conductor (Class 1)

Conductors including 16 Sqmm circular stranded (Class 2).

25 sqmm and above shaped stranded conductors (Class2)

All the cables are insulated with either PVC type 5 heat resisting 85°C compound and sheathed with PVC type 9/ST2 compound or PVC type A/T11 compound and sheathed with PVC Type ST1/TM1 compound.

Cables up to and including 6 Sqmm generally to BS 6346 and IEC 60502 - 1.

Cables 10 sqmm to 400 sqmm conform generally to BS 6346.

500 sqmm cable conforms to IEC 60502-1