



# S.M.C

**Four Core Cables with reduced Neutral Cu/PVC/PVC**  
**600/1000 V - FOUR CORE WITH REDUCED NEUTRAL COPPER**  
**CONDUCTOR PVC INSULATED**  
**PVC SHEATHED CABLES (CU/PVC/PVC)**



Nominal Area of Conductor		Maximum Conductor Resistance at 20°C		Thickness of Insulations		Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Phase	Neutral	Phase	Neutral	Phase	Neutral						
Sqmm		Ohm/Km		mm		mm	mm	Kg/Km	Meter ± 5%		Kg
10*	6	1.83	3.08	1.0	1.0	1.8	18.2	540	1000	D-12	650
16*	10	1.15	1.83	1.0	1.0	1.8	20.7	760	500	D-10	440
25	16	0.727	1.15	1.2	1.0	1.8	23.3	1140	500	D-11	670
35	16	0.524	1.15	1.2	1.0	1.8	26.7	1450	500	D-12	835
50	25	0.387	0.727	1.4	1.2	1.9	30.3	1970	500	D-12	1100
70	35	0.268	0.524	1.4	1.2	2.0	33.4	2690	500	D-16	1560
95	50	0.193	0.387	1.6	1.4	2.1	38.6	3650	500	D-18	2070
120	70	0.153	0.268	1.6	1.4	2.2	41.5	4570	500	D-18	2530
150	70	0.124	0.268	1.8	1.4	2.4	46.6	5560	500	D-19	3100
185	95	0.0991	0.193	2.0	1.6	2.5	51.3	6900	250	D-18	1970
240	120	0.0754	0.153	2.2	1.6	2.7	56.9	8820	250	D-18	2450
300	150	0.0601	0.124	2.4	1.8	2.9	63.1	11050	250	D-18	3000
300	185	0.0601	0.0991	2.4	2.0	3.0	63.3	11370	250	D-18	3080
400	185	0.0470	0.0991	2.6	2.0	3.2	70.5	14110	200	D-19	3140

\* Phase conductors up to 16 Sqmm circular stranded (Class 2).

Phase Conductors 25 Sqmm and above shaped stranded (Class 2). All neutral conductors circular stranded (Class 2).

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/TI1 compound and sheathed with PVC Type ST1/TM1 compound.

\* Cables conform to IEC 60502 -1

All other Cables conform generally to BS 6346 and IEC 60502 - 1



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