



S.M.C

Two Core Cables Cu/PVC/PVC/SWA/ PVC

600/1000 V – TWO CORE COPPER

CONDUCTOR PVC INSULATED STEEL WIRE
ARMOURED PVC SHEATHED CABLES
(CU/PVC/PVC/SWA/PV C)



Nominal Area of Conductor	Maximum Conductor Resistance 20°C	Thickness of Insulation	Thickness of Extruded Bedding	Diameter of Armor Wire	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross weight
Sqmm	Ohm/Km	mm	mm	mm	mm	mm	Kg/Km	Meter± 5 %		Kg
1.5*	12.1	0.8	1.0	0.9	1.8	14.4	370	1000	D-10	430
1.5	12.1	0.8	1.0	0.9	1.8	14.8	380	1000	D-10	440
2.5*	7.41	0.8	1.0	0.9	1.8	15.2	420	1000	D-10	480
2.5	7.41	0.8	1.0	0.9	1.8	15.6	435	1000	D-10	495
4	4.61	1.0	1.0	0.9	1.8	17.4	540	1000	D-11	640
6	3.08	1.0	1.0	1.25	1.8	19.3	730	1000	D-12	840
10	1.83	1.0	1.0	1.25	1.8	21.3	900	1000	D-14	1050
16	1.15	1.0	1.0	1.25	1.8	23.3	1120	1000	D-14	1270
25**	0.727	1.2	1.0	1.6	1.8	27.5	1660	500	D-12	940
35**	0.524	1.2	1.0	1.6	1.8	29.7	1970	500	D-14	1135
50**	0.387	1.4	1.0	1.6	1.9	32.7	2230	500	D-16	1330
70**	0.268	1.4	1.0	2.0	2.0	36.9	3000	500	D-18	1740
95**	0.193	1.6	1.2	2.0	2.2	42.3	3890	500	D-18	2200
120**	0.153	1.6	1.2	2.0	2.3	45.5	4580	500	D-18	2530
150**	0.124	1.8	1.2	2.5	2.4	50.3	5780	500	D-19	3210
185**	0.0991	2.0	1.4	2.5	2.6	55.1	6890	250	D-18	1960
240**	0.0754	2.2	1.4	2.5	2.8	61.3	8430	250	D-18	2350
300**	0.0601	2.4	1.6	2.5	2.9	66.7	10140	250	D-19	2850
400**	0.0470	2.6	1.6	2.5	3.2	73.9	12500	250	D-21	3540
500**	0.0366	2.8	1.8	3.15	3.4	82.8	16120	250	D-22	4500



S.M.C

*Circular solid conductor (Class 1).

All other conductor's circular stranded or circular stranded compacted (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.

All Cables conform to IEC 60502 - 1.

** Cables with sector shaped conductor having lesser overall dimension, weight and cost are available on request.