



# S.M.C

**Four Core Cables Cu/PVC/PVC/SWA/ PVC & Cu/PVC/SWA/PVC**  
**600/1000 V - FOUR CORE**  
**COPPER CONDUCTOR PVC INSULATED STEEL WIRE**  
**ARMOURED PVC SHEATHED CABLES**  
**(CU/PVC/PVC/SWA/PV C AND CU/PVC/SWA/PVC)**

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of bedding		Diameter of Armor Wire	Thickness of Outer Sheath	Approx. Overall Dia.		Approx. Cable Weight		Standard Packing Length	Drum size	Approx. Gross Weight	
			Extruded Bedding	Lapped Bedding			Extruded Bedding	Lapped Bedding	Extruded Bedding	Lapped Bedding			Extruded Bedding	Lapped Bedding
Sqmm	Ohm/ Km	mm	mm		mm	mm	mm		Kg/Km		Meter± 5%		kg	
1.5*	12.1	0.7	0.8	-	0.9	1.4	14.1	-	385	-	1000	D-	445	-
1.5	12.1	0.7	0.8	-	0.9	1.4	14.5	-	400	-	1000	D-	460	-
2.5*	7.41	0.8	0.8	-	0.9	1.4	15.5	-	470	-	1000	D-	570	-
2.5	7.41	0.8	0.8	-	0.9	1.4	16.0	-	495	-	1000	D-	595	-
4	4.61	0.8	0.8	-	1.25	1.5	18.1	-	700	-	1000	D-	810	-
6	3.08	0.8	0.8	-	1.25	1.5	19.6	-	830	-	1000	D-	940	-
10	1.83	1.0	0.8	-	1.25	1.6	22.4	-	1130	-	1000	D-	1280	-
16	1.15	1.0	1.0	-	1.6	1.7	26.4	-	1650	-	500	D-	935	-
25	0.727	1.2	1.0	0.8	1.6	1.8	27.9	26.8	2040	1890	500	D-	1130	1060
35	0.524	1.2	1.0	0.8	1.6	1.9	31.5	30.4	2550	2400	500	D-	1430	1350
50	0.387	1.4	1.2	0.8	2.0	2.0	36.3	34.8	3510	3300	500	D-	1970	1860
70	0.268	1.4	1.2	0.8	2.0	2.1	39.4	37.9	4450	4220	500	D-	2470	2350
95	0.193	1.6	1.2	0.8	2.0	2.2	44.6	43.1	5770	5510	500	D-	3130	3000
120	0.153	1.6	1.4	0.8	2.5	2.4	49.1	47.2	7350	6970	500	D-	4000	3810
150	0.124	1.8	1.4	0.8	2.5	2.5	53.5	51.6	8760	8390	250	D-	2430	2340



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5	0.0991	2.0	1.4	0.8	2.5	2.6	58.6	56.3	10530	10040	250	D-18	2870	2750
240	0.0754	2.2	1.6	0.8	2.5	2.8	64.2	61.9	13050	12520	250	D-18	3500	3370
300	0.0601	2.4	1.6	0.8	2.5	3.0	70.0	67.7	15880	15300	250	D-19	4290	4150
400	0.0470	2.6	1.8	0.8	3.15	3.3	79.1	76.4	20710	20000	200	D-19	4460	4320
500	0.0366	2.8	1.8	0.8	3.15	3.9	88.8	86.1	25400	24720	200	D-23	5580	5440

\* Circular solid conductor (Class 1).

Conductor including 16 Sqmm Circular stranded (Class 2).

25 Sqmm and above shaped stranded conductors (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.

Drum size given above are for Cables with extruded bedding.

Cables up to and including 400 Sqmm conform to BS 6346.

500 Sqmm Cable conforms to IEC 60502 - 1.