



S.M.C

Four Core Cables AL/PVC/PVC/SWA/ PVC & AL/PVC/SWA/PV C

600/1000 V -

FOUR CORE ALUMINIUM CONDUCTOR PVC INSULATED STEEL WIRE

ARMOURED PVC SHEATHED CABLES

(AL/PVC/PVC/SWA/PV C AND AL/PVC/SWA/PVC)

All conductors shaped stranded (Class 2).



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 Diameter		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	
25	1.20	1.2	1.0	0.8	1.6	1.8	27.9	26.8	1420	1310	500	D-12	820	765
35	0.868	1.2	1.0	0.8	1.6	1.9	31.3	30.8	1720	1580	500	D-14	1010	940
50	0.641	1.4	1.2	0.8	2.0	2.1	36.5	35.0	2400	2190	500	D-18	1440	1335
70	0.443	1.4	1.2	0.8	2.0	2.2	39.6	38.1	2840	2620	500	D-18	1660	1550
95	0.320	1.6	1.2	0.8	2.5	2.4	45.7	44.2	3910	3600	500	D-19	2200	2040
120	0.253	1.6	1.4	0.8	2.5	2.5	49.3	47.4	4470	4110	500	D-19	2560	2380
150	0.206	1.8	1.4	0.8	2.5	2.7	52.1	50.2	5050	4710	500	D-19	2850	2680
185	0.164	2.0	1.6	0.8	2.5	2.9	59.0	56.7	6080	5650	500	D-22	3510	3300
240	0.125	2.2	1.6	0.8	2.5	3.1	65.0	62.7	7310	6800	250	D-18	2070	1940
300	0.100	2.4	1.6	0.8	2.5	3.3	70.6	68.3	8590	8050	250	D-21	2570	2430
400	0.0778	2.6	1.8	0.8	3.15	3.6	79.7	77.0	11180	10810	200	D-19	2560	2480
500	0.0605	2.8	1.8	0.8	3.15	3.9	88.9	86.1	13690	12690	200	D-21	3160	2960



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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 conform to IEC 60502 - 1.