



S.M.C

Four Core Cables Cu/XLPE/PVC/SWA

/PVC & Cu/XLPE/SWA/PVC 600/1000 V -

Four core Copper Conductor XLPE Insulated Steel Wire Armored

PVC Sheathed Cables (CU/XLPE/PVC/SWA/P

PVC and CU/XLPE/SWA/PVC)



Nominal Area of conductor	Max. 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	
1.5*	12.1	0.7	1.0	-	0.9	1.8	15.5	-	430	-	1000	D-10	490	-
1.5	12.1	0.7	1.0	-	0.9	1.8	16.0	-	440	-	1000	D-11	540	-
2.5*	7.41	0.7	1.0	-	0.9	1.8	16.5	-	490	-	1000	D-11	590	-
2.5	7.41	0.7	1.0	-	0.9	1.8	17.0	-	510	-	1000	D-11	610	-
4	4.61	0.7	1.0	-	0.9	1.8	18.2	-	610	-	1000	D-12	720	-
6	3.08	0.7	1.0	-	1.25	1.8	20.3	-	840	-	100	D-12	950	-
10	1.83	0.7	1.0	-	1.25	1.8	22.7	-	1090	-	1000	D-14	1240	-
16	1.15	0.7	1.0	-	1.6	1.8	25.9	-	1560	-	1000	D-16	1770	-
25	0.727	0.9	1.0	0.8	1.6	1.8	26.6	25.5	1870	1775	500	D-12	1045	995
35	0.524	0.9	1.0	0.8	1.6	1.9	30.2	29.1	2380	2270	500	D-12	1300	1245
50	0.387	1.0	1.0	0.8	1.6	2.0	33.3	32.2	2990	2840	500	D-16	1705	1630
70	0.268	1.1	1.2	0.8	2.0	2.3	38.3	36.8	4210	3995	500	D-18	2345	2240
95	0.193	1.1	1.2	0.8	2.0	2.3	42.5	41.0	5390	5155	500	D-18	2935	2820
120	0.153	1.2	1.4	0.8	2.5	2.5	47.5	45.6	6950	6640	500	D-19	3795	3640
150	0.124	1.4	1.4	0.8	2.5	2.6	52.4	49.8	8380	7985	500	D-19	4510	4310
185	0.0991	1.6	1.4	0.8	2.5	2.8	57.3	55.4	10030	9650	250	D-18	2745	2655



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240	0.0754	1.7	1.6	0.8	2.5	3.0	62.8	60.5	1250	12025	250	D-18	3365	3245
300	0.0601	1.8	1.6	0.8	2.5	3.2	68.6	66.3	15200	14655	250	D-21	4220	4085
400	0.0470	2.0	1.8	0.8	3.15	3.5	77.7	75.0	19950	19145	200	D-22	4460	4300
500	0.0366	2.2	1.8	0.8	3.15	3.8	86.8	86.1	24460	23590	200	D-21	5310	5140

* Circular solid conductors (Class 1).

Conductors including 16 Sqmm circular stranded (Class 2).

25 Sqmm and above shaped stranded conductors (Class 2).

Cables conform to IEC 60502 - 1.

Drum size given above are for cables with extruded bedding.