



# S.M.C

Four Core Cables with reduced Neutral Cu/PVC/PVC/SWA/ PVC & Cu/PVC/SWA/PVC  
600/1000 V –

FOUR CORES WITH REDUCED NEUTRAL 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		Dia. of Armor Wire	Thickness of Outer Sheath	Approx. Overall Dia.		Approx. Cable Weight		Stranded packing Length	Drum Size	Approx. Gross Weight	
Phase	Neutral	Phase	Neutral	Phase	Neutral	Extruded	Lapped			Extruded Bedding	Lapped Bedding	Extruded Bedding	Lapped Bedding			Extruded Bedding	Lapped Bedding
Sqmm		Ohm/Km		mm				mm	mm	mm		Kg/Km		Meter ±5%		Kg	
10*	6	1.83	3.08	1.0	1.0	1.0	-	1.25	1.8	22.7	-	1080	-	1000	D-14	1230	-
*16	10	1.15	1.83	1.0	1.0	1.0	-	1.6	1.8	25.9	-	1530	-	500	D-12	875	-
25	16	0.727	1.15	1.2	1.0	1.0	0.8	1.6	1.8	27.9	26.8	1930	1835	500	D-12	1080	1025
35	16	0.524	1.15	1.2	1.0	1.0	0.8	1.6	1.9	31.5	30.4	2380	2270	500	D-14	1340	1285
50	25	0.387	0.727	1.4	1.2	1.0	0.8	2.0	2.0	35.9	34.8	3250	3120	500	D-16	1835	1770
70	35	0.268	0.524	1.4	1.2	1.2	0.8	2.0	2.1	39.4	37.9	4150	3945		D-18	2315	2215
95	50	0.193	0.387	1.6	1.4	1.2	0.8	2.0	2.3	44.8	43.3	5360	5125	500	D-18	2920	2800



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120	70	0.153	0.268	1.6	1.4	1.4	0.8	2.5	2.5	49.3	47.4	6890	6575	500	D-19	3765	3610
150	70	0.124	0.268	1.8	1.4	1.4	0.8	2.5	2.6	54.0	51.2	8110	7665	500	D-19	4380	4150
185	95	0.0991	0.193	2.0	1.6	1.4	0.8	2.5	2.7	58.7	56.5	9730	9305	250	D-18	2675	2565
240	120	0.0754	0.153	2.2	1.6	1.6	0.8	2.5	2.9	64.9	62.1	12030	11535	250	D-18	3250	3125
300	150	0.0601	0.124	2.4	1.8	1.6	0.8	2.5	3.1	70.2	67.9	14660	13990	250	D-21	4090	3915
300	185	0.0601	0.0991	2.4	2.0	1.6	0.8	2.5	3.2	70.4	68.1	14870	14350	250	D-21	4135	4000
400	185	0.0470	0.0991	2.6	2.0	1.8	0.8	3.15	3.4	80.2	76.6	19090	18125	200	D-19	4135	3945
500	240	0.0366	0.0754	2.8	2.2	1.8	0.8	3.15	3.7	88.4	85.7	23300	22360	200	D-23	5170	4970

\* 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.

Drum size given above are for Cables with extruded bedding Cables conform to IEC 60502 - 1.