



# S.M.C

## FOUR CORE CABLES WITH REDUCED NEUTRAL CU/XLPE/PVC/SWA/PVC & CU/XLPE/SWA/PVC

600/1000 V –

Four cores with reduced neutral

Copper Conductor XLPE Insulated Steel Wire Armored PVC Sheathed Cables

(CU/XLPE/PVC/SWA/PVC and CU/XLPE/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 Diameter		Approx. Cable Weight		Standard Packing Length	Drum Size	Approx. Gross	
Phase	Neutral	Phase	Neutral	Phase	Neutral	Extrude d	Lapped			Extrude d Bedding	Lapped Bedding	Extrude d Bedding	Lapped Bedding			Extrude d Bedding	Lapped Bedding
Sqmm		Ohm/Km		m		m		mm	mm	mm		Kg/Km		Meter ±5%		KG	
10	6	1.83	3.08	0.7	0.7	1.0	-	1.25	1.8	22.0	-	1043	-	1000	D-14	1190	-
16	10	1.15	1.83	0.7	0.7	1.0	-	1.25	1.8	24.7	-	1360	-	1000	D-14	1510	-
25	16	0.727	1.15	0.9	0.7	1.0	0.8	1.6	1.8	26.6	25.5	1780	1690	500	D-12	1000	935
35	16	0.524	1.15	0.9	0.7	1.0	0.8	1.6	1.8	30.0	28.9	2200	2100	500	D-12	1210	1160
50	25	0.387	0.727	1.0	0.9	1.0	0.8	1.6	1.9	33.1	32.0	2780	2650	500	D-16	1600	1535
70	35	0.268	0.524	1.1	0.9	1.2	0.8	2.0	2.1	38.1	36.6	3910	3715	500	D-18	2200	2095
95	50	0.193	0.387	1.1	1.0	1.2	0.8	2.0	2.2	42.3	40.8	4990	4760	500	D-18	2740	2620
120	70	0.153	0.268	1.2	1.1	1.2	0.8	2.0	2.4	45.9	44.4	6060	5835	500	D-19	3350	3240
150	70	0.124	0.268	1.4	1.1	1.4	0.8	2.5	2.5	52.2	49.6	7700	7305	500	D-19	4170	3975
185	95	0.0991	0.193	1.6	1.1	1.4	0.8	2.5	2.7	57.1	55.2	9260	8895	250	D-18	2560	2465
240	120	0.0754	0.153	1.7	1.2	1.6	0.8	2.5	2.9	62.6	60.3	11450	11000	250	D-18	3100	2990
300	150	0.0601	0.124	1.8	1.4	1.6	0.8	2.5	3.0	68.2	65.9	13880	13340	250	D-18	3710	3575



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300	185	0.0601	0.0991	1.8	1.6	1.6	0.8	2.5	3.1	68.4	66.1	14190	13685	250	D-18	3790	3660
400	185	0.0470	0.0991	2.0	1.6	1.6	0.8	3.15	3.3	76.9	74.1	18050	17410	250	D-22	4980	4825
500	240	0.0366	0.0754	2.2	1.7	1.8	0.8	3.15	3.6	86.4	83.7	22300	21485	200	D-23	960	7495

All phase conductors up to 16 Sqmm circular stranded (Class 2).

All phase conductors 25 Sqmm and above shaped stranded (Class2)

All neutral conductors circular stranded (Class 2).

All other cables conform to IEC 60502.

Drum size given above are for cables with extruded bedding.