



# S.M.C

## Four Core Cables with reduced Neutral Al/XLPE/PVC/SWA/ PVC & Al/XLPE/SWA/PVC

600/1000 V –

Four cores with reduced neutral

Aluminum Conductor XLPE Insulated Steel Wire Armored

PVC Sheathed Cables

(Al/XLPE/PVC/SWA/PVC & Al/XLPE/SWA/PVC)



Nominal Area of Conductor		Max. Conductor Resistance at 20°C		Thickness of Insulation		Thickness of Bedding		Diameter of Armour Wire	Thickens of Outer Sheath	Approx. Overall Diameter		Approx. Cable Weight		Standard Packing Length	Drum Size	Approx. Gross	
Phase	Neutral	Phase	Neutral	Phase	Neutral	Extruded	Lapped			Extrude Bedding	Lapped Bedding	Extrude Bedding	Lapped Bedding			Extrude Bedding	Lapped Bedding
Sqmm		Ohm/Km		mm		mm		mm	mm	mm		Kg/Km		Meter ± 5%		Kg	
35	16	0.868	1.91	0.9	0.7	1.0	0.8	1.6	1.8	29.7	28.6	1480	1350	500	D-12	850	785
50	25	0.641	1.20	1.0	0.9	1.0	0.8	1.6	1.9	33.1	32.0	1780	1640	500	D-16	1100	1030
70	35	0.443	0.868	1.1	0.9	1.2	0.8	2.0	2.1	38.0	36.5	2480	2270	500	D-18	1480	1380
95	50	0.320	0.641	1.1	1.0	1.2	0.8	2.0	2.2	42.1	40.6	2980	2750	500	D-18	1730	1620
120	70	0.253	0.443	1.2	1.1	1.2	0.8	2.0	2.3	45.7	44.2	3460	3220	500	D-19	2050	1930
150	70	0.206	0.443	1.4	1.1	1.4	0.8	2.5	2.5	50.4	48.5	4440	4100	500	D-19	2540	2370
185	95	0.164	0.320	1.6	1.1	1.4	0.8	2.5	2.7	56.4	54.5	5270	4910	500	D-21	3060	2880
240	120	0.125	0.253	1.7	1.2	1.6	0.8	2.5	2.9	62.8	60.5	6370	5880	500	D-22	3660	3410
300	150	0.100	0.206	1.8	1.4	1.6	0.8	2.5	3.0	68.2	65.9	7450	6920	300	D-20	2660	2430
300*	185	0.100	0.164	1.8	1.6	-	0.8	2.5	2.7	-	65.7	-	6970	300	D-19	-	2410
300	185	0.100	0.164	1.8	1.6	1.6	0.8	2.5	3.1	68.4	66.1	7560	7030	250	D-18	2130	2000
400	185	0.0778	0.164	2.0	.6	1.6	0.8	3.15	3.3	76.9	74.6	9750	110	250	D-19	2760	2600

All phase conductors shaped stranded (Class 2). All Neutral conductors circular stranded (Class 2).

Cables conform to IEC 60502 - 1