



S.M.C

THREE CORE CABLES (CU/SC/XLPE/SC/S WA/PVC)

3.8/6.6 KV –

THREE CORES (HIGHEST SYSTEM VOLTAGE - 7.2 KV) COPPER CONDUCTOR XLPE INSULTATED STEEL WIRE ARMoured PVC SHEATHED CABLES (CU/SC/XLPE/SC/SWA/PVC)



Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of XLPE Insulation	Thickness of (Semiconducting) Tape	Dia of Armor Wire	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum size	Approx. Gross Weight
Sqmm	Ohm/Km	mm	mm	mm	mm	mm	Kg/Km	Meter ± 5%		Kg
35	0.524	2.5	0.4	2.0	2.3	43.9	3310	500	D-18	1900
50	0.387	2.5	0.4	2.5	2.4	47.5	4230	500	D-19	2440
70	0.268	2.5	0.6	2.5	2.5	51.1	5100	500	D-19	2870
95	0.193	2.5	0.6	2.5	2.7	56.2	6260	500	D-21	3550
120	0.153	2.5	0.6	2.5	2.8	59.7	7240	500	D-22	4090
150	0.124	2.5	0.6	2.5	2.9	62.9	8310	250	D-18	2320
185	0.0991	2.5	0.6	2.5	3.0	66.6	9570	250	D-18	2630
240	0.0754	2.6	0.6	2.5	3.2	72.8	11650	250	D-21	3330
300	0.0601	2.8	0.6	3.15	3.4	79.7	14740	250	D-23	4190
400	0.0470	3.0	0.6	3.15	3.7	87.4	18020	250	D-23	5010

All conductors circular compacted.

Equivalent voltage designation as per IEC: 60502 - 2: 3.6/6 KV.

Cables conform to IEC 60502 - 2.