



S.M.C

SINGLE CORE CABLES 3.8/6.6 KV (CU/SC/XLPE/SC/A WA/PVC)

SINGLE CORE

(HIGHEST SYSTEM VOLTAGE - 7.2 KV) COPPER CONDUCTOR XLPE INSULATED ALUMINIUM WIRE ARMoured PVC SHEATHED CABLES (CU/SC/XLPE/SC/AWA/PVC)



Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of (Semiconducting) Tape	Dia. of Armor Wire	Thickness of Outer Sheath	Approx. Overall Diamet	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	1.6	1.8	23.9	860	500	D-11	530
50	0.387	2.5	0.4	1.6	1.8	25.0	1010	500	D-12	615
70	0.268	2.5	0.4	1.6	1.8	26.6	1250	500	D-12	735
95	0.193	2.5	0.4	1.6	1.8	28.5	1560	500	D-12	890
120	0.153	2.5	0.4	1.6	1.9	30.2	1840	500	D-14	1070
150	0.124	2.5	0.4	1.6	1.9	31.6	2160	500	D-14	1230
185	0.0991	2.5	0.4	1.6	2.0	33.4	2530	500	D-16	1480
240	0.0754	2.6	0.4	2.0	2.1	37.1	3240	500	D-18	1860
300	0.0601	2.8	0.4	2.0	2.2	39.7	3900	500	D-18	2190
400	0.0470	3.0	0.4	2.0	2.3	43.2	4870	500	D-18	2680
500	0.0366	3.2	0.4	2.5	2.4	47.8	6110	500	D-19	3380
630	0.0283	3.2	0.4	2.5	2.5	51.8	7520	500	D-19	4080

All conductor's circular compacted

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

Cables conform to IEC 60502-2.