



S.M.C

SINGLE CORE CABLES 3.8/6.6 KV (CU/SC/XLPE/SC/CUT/PVC/AWA/PVC)

3.8 / 6.6 KV –

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



Nominal Area of Conducto	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Copper Tape	Thickness of Extruded Bedding	Día 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	mm	Kg/Km	Meter± 5%		Kg
35	0.524	2.5	0.075	1.2	1.6	1.8	25.5	1020	500	D-12	620
50	0.387	2.5	0.075	1.2	1.6	1.8	26.6	1180	500	D-12	700
70	0.268	2.5	0.075	1.2	1.6	1.8	28.2	1440	500	D-12	830
95	0.193	2.5	0.075	1.2	1.6	1.9	30.3	1760	500	D-14	1030
120	0.153	2.5	0.075	1.2	1.6	1.9	31.8	2050	500	D-14	1175
150	0.124	2.5	0.075	1.2	1.6	2.0	33.4	2380	500	D-14	1340
185	0.0991	2.5	0.075	1.2	2.0	2.0	35.8	2840	500	D-16	1630
240	0.0754	2.6	0.075	1.2	2.0	2.1	38.7	3490	500	D-18	1985
300	0.0601	2.8	0.075	1.2	2.0	2.2	41.3	4180	500	D-18	2330
400	0.0470	3.0	0.075	1.2	2.0	2.3	44.8	5160	500	D-18	2820
500	0.0366	3.2	0.075	1.3	2.5	2.5	49.8	6490	500	D-19	3565
630	0.0283	3.2	0.075	1.4	2.5	2.6	54.0	8020	500	D-21	4430

All conductors circular compacted.

Equivalent voltage designation as per IEC 60502 – 2: 3.6/6.0 KV.

Cables conform to IEC 60502 - 2.