



S.M.C

THREE CORE CABLES 12.7/22 KV (AL/SC/XLPE/SC/C UT/PVC/SWA/PVC)

12.7/22 KV - THREE CORE

(HIGHEST SYSTEM VOLTAGE - 24 KV) ALUMINIUM CONDUCTOR XLPE INSULATED COPPER TAPE SCREENED

STEEL WIRE ARMoured PVC SHEATHED CABLES

(AL/SC/XLPE/SC/CUT/ PVC/SWA/PVC)



Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of XLPE 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	0.868	5.5	0.075	1.5	2.5	2.8	62.1	5300	500	D-23	3150
50	0.641	5.5	0.075	1.6	2.5	2.9	64.9	5740	500	D-23	3370
70	0.443	5.5	0.075	1.6	2.5	3.1	69.2	6400	500	D-23	3710
95	0.320	5.5	0.075	1.7	2.5	3.2	73.5	7170	500	D-23	4090
120	0.253	5.5	0.075	1.7	3.15	3.3	78.0	8550	250	D-21	2560
150	0.206	5.5	0.075	1.8	3.15	3.4	81.4	9260	250	D-23	2820
185	0.164	5.5	0.075	1.9	3.15	3.6	85.7	10130	200	D-22	2500
240	0.125	5.5	0.075	2.0	3.15	3.7	91.5	11420	200	D-23	2780
300	0.100	5.5	0.075	2.0	3.15	3.9	96.0	12590	200	D-23	3020
400	0.0778	5.5	0.075	2.2	3.15	4.1	103.5	14410	200	D-23	3380

All conductors circular compacted.

Equivalent voltage designation as per IEC 60502 - 2 : 12/20

KV Cables conform to IEC 60502 - 2.