



S.M.C

THREE CORE CABLES 12.7/22 KV (CU/SC/XLPE/SC/CUT/PVC/SWA/PVC)

12.7/22 KV –

THREE CORE

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

COPPER TAPE SCREENED STEEL WIRE ARMoured PVC SHEATHED CABLES

(CU/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	0.524	5.5	0.075	1.5	2.5	2.8	62.1	5920	500	D-23	3460
50	0.387	5.5	0.075	1.6	2.5	2.9	64.9	6600	500	D-23	3800
70	0.268	5.5	0.075	1.6	2.5	3.1	68.7	7610	500	D-23	4310
95	0.193	5.5	0.075	1.7	2.5	3.2	73.2	8870	500	D-23	4940
120	0.153	5.5	0.075	1.7	3.15	3.3	78.0	10730	250	D-21	3100
150	0.124	5.5	0.075	1.8	3.15	3.4	81.4	12000	250	D-23	3500
185	0.0991	5.5	0.075	1.9	3.15	3.6	85.5	13460	200	D-22	3160
240	0.0754	5.5	0.075	2.0	3.15	3.7	91.3	15780	200	D-23	3660
300	0.0601	5.5	0.075	2.0	3.15	3.9	96.0	18110	200	D-24	4220
400	0.0470	5.5	0.075	2.2	3.15	4.1	103.0	21500	200	D-24	4900

All conductors circular compacted.

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

Cables conform to IEC 60502 - 2.