



S.M.C

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

12.7/22 KV –

THREE CORE (HIGHEST SYSTEM VOLTAGE - 24 KV) COPPER CONDUCTOR

XLPE INSULATED COPPER TAPE SCREENED

PVC SHEATHED CABLES (CU/SC/XLPE/SC/CUT/ PVC)



Nominal Area of Conductor	Maximum Conductor Resistance a20°C	Thickness of XLPE Insulation	Thickness of Copper Tape	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	Kg/Km	Meter ± 5%		Kg
35	0.524	5.5	0.075	2.6	53.9	3100	500	D-19	1870
50	0.387	5.5	0.075	2.7	56.5	3610	500	D-21	2130
70	0.268	5.5	0.075	2.8	60.1	4410	500	D-22	2630
95	0.193	5.5	0.075	2.9	64.4	5400	500	D-23	3170
120	0.153	5.5	0.075	3.0	67.9	6300	500	D-23	3650
150	0.124	5.5	0.075	3.1	71.1	7320	500	D-23	4160
185	0.0991	5.5	0.075	3.3	75.0	8540	500	D-23	4770
240	0.0754	5.5	0.075	3.4	80.6	10440	250	D-23	3110
300	0.0601	5.5	0.075	3.6	85.3	12450	250	D-23	3610
400	0.0470	5.5	0.075	3.8	91.9	15370	200	D-23	3570

All conductors circular compacted.

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

Cables conform to IEC 60502 - 2.