



# S.M.C

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

12.7/22 KV – SINGLE 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 at 20°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	1.8	25.7	920	500	D-12	570
50	0.387	5.5	0.075	1.8	26.8	1070	500	D-12	645
70	0.268	5.5	0.075	1.8	28.4	1310	500	D-12	765
95	0.193	5.5	0.075	1.9	30.5	1630	500	D-14	965
120	0.153	5.5	0.075	1.9	32.0	1900	500	D-14	1100
150	0.124	5.5	0.075	2.0	33.6	2240	500	D-16	1330
185	0.0991	5.5	0.075	2.0	35.2	2600	500	D-18	1540
240	0.0754	5.5	0.075	2.1	37.9	3200	500	D-18	1840
300	0.0601	5.5	0.075	2.2	40.1	3850	500	D-18	2170
400	0.0470	5.5	0.075	2.3	43.2	4770	500	D-18	2630
500	0.0366	5.5	0.075	2.4	46.4	5830	500	D-19	3240
630	0.0283	5.5	0.075	2.5	50.4	7220	500	D-19	3930

All conductors circular compacted.

Equivalent voltage designation as per IEC: 60502-2

12/20 KV Cables conform to IEC 60502-2.