



# S.M.C

## THREE CORES CABLES 6.35/11KV (CU/SC/XLPE/SC/S WA/PVC)

6.35/11 KV –

THREE CORES

(HIGHEST SYSTEM VOLTAGE - 12 KV) COPPER CONDUCTOR XLPE INSULATED  
STEEL WIRE ARMoured PVC SHEATHED CABLES (CU/SC/XLPE/SC/SWA/PVC)



Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of XLPE Insulation	Thickness of Bedding (Semiconducting) Tape	Dia 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	Kg/Km	Meter ± 5%		Kg
35	0.524	3.4	0.4	2.5	2.4	49.0	4060	500	D-19	2350
50	0.387	3.4	0.4	2.5	2.5	51.6	4640	500	D-19	2640
70	0.268	3.4	0.6	2.5	2.7	56.0	5630	500	D-21	3240
95	0.193	3.4	0.6	2.5	2.8	60.3	6720	500	D-22	3830
120	0.153	3.4	0.6	2.5	2.9	63.8	7720	250	D-18	2170
150	0.124	3.4	0.6	2.5	3.0	67.0	8800	250	D-18	2440
185	0.0991	3.4	0.6	2.5	3.1	70.7	10080	250	D-21	2940
240	0.0754	3.4	0.6	3.15	3.3	77.9	12960	250	D-21	3660
300	0.0601	3.4	0.6	3.15	3.5	82.5	15150	250	D-23	4290
400	0.0470	3.4	0.6	3.15	3.7	89.1	18270	250	D-23	5070

All conductors circular compacted.

Equivalent voltage designation as per IEC 60502 - 2: 6/10 KV

Cables conform to IEC 60502 - 2.