



S.M.C

Single Core Cables 8.7/15 KV

(Cu/SC/XLPE/SC/Cu/PVC/AWA/PVC)

8.7/15 KV –

SINGLE CORE (HIGHEST SYSTEM VOLTAGE - 17.5 KV) COPPER CONDUCTOR XLPE INSULATED
COPPER TAPE SCREENED ALUMINIUM WIRE ARMoured

PVC SHEATHED CABLES

(CU/SC/XLPE/SC/CUT/ PVC/AWA/PVC)



Nominal Area of Conducto	Maximum Conductor Resistance at 20°C	Thickness of XLPE Insulation	Thickness of Copper Tape	Thickness of Extruded Bedding	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	mm	Kg/Km	Meter ± 5%		Kg
35	0.524	4.5	0.075	1.2	1.6	1.9	29.7	1270	500	D-12	745
50	0.387	4.5	0.075	1.2	1.6	1.9	30.8	1430	500	D-14	865
70	0.268	4.5	0.075	1.2	1.6	1.9	32.4	1700	500	D-16	1060
95	0.193	4.5	0.075	1.2	2.0	2.0	35.3	2130	500	D-18	1310
120	0.153	4.5	0.075	1.2	2.0	2.1	37.0	2440	500	D-18	1460
150	0.124	4.5	0.075	1.2	2.0	2.1	38.4	2780	500	D-18	1630
185	0.0991	4.5	0.075	1.2	2.0	2.2	40.2	3180	500	D-18	1830
240	0.0754	4.5	0.075	1.2	2.0	2.3	42.9	3840	500	D-18	2160
300	0.0601	4.5	0.075	1.2	2.0	2.3	44.9	4490	500	D-18	2490
400	0.0470	4.5	0.075	1.3	2.5	2.5	49.4	5660	500	D-19	3150
500	0.0366	4.5	0.075	1.3	2.5	2.6	52.6	6770	500	D-19	3710
630	0.0283	4.5	0.075	1.4	2.5	2.7	56.8	8280	500	D-21	4560

All conductors circular compacted.

Cables conform to IEC 60502 - 2.