

8.7/15 (17.5) KV Multi Core STA Cables

Three Core Cables, with stranded Circular copper or Aluminum conductors, XLPE insulated, copper tape or wire as metallic insulation screen, cores are assembled together with non-hygroscopic polypropylene fillers and wrapped with binder tape, covered with a layer of PVC compound as bedding, steel tape armored and PVC sheathed.



• Cables are produced according to IEC 60502.

Nominal Cross-sectional area	Max. Conductor Resistance		Capacitance	Reactance	Current Rating		Approx. Overall Diameter	Approx. Weight
	DC at 20 °C	AC at 90 °C			Ground	Laid in free air (Shaded)		
mm ²	Ω/Km	Ω/Km	µf/km	Ω/Km	A	A	mm	Kg/Km

3 Core - Cu/XLPE/STA/PVC

150	0.124	0.1594	0.31	0.1	350	400	74	9200
185	0.0991	0.1280	0.34	0.095	395	415	78	10300
240	0.0754	0.0984	0.38	0.09	455	495	84	13100
300	0.0601	0.0796	0.42	0.088	530	580	89	15450
400	0.047	0.0638	0.46	0.087	590	660	97	18600
500	0.0366	0.0518	0.52	0.08	670	750	110	22700

3 Core - AL/XLPE/STA/PVC

150	0.206	0.2649	0.31	0.1	270	300	74	6500
185	0.164	0.2113	0.34	0.095	310	340	78	6900
240	0.125	0.1617	0.38	0.09	350	390	84	8700
300	0.1	0.1300	0.42	0.088	405	445	89	9900
400	0.0778	0.1022	0.46	0.087	455	515	97	11500
500	0.0605	0.0808	0.52	0.08	530	620	110	13050

The above data is approximate and subjected to manufacturing tolerance.

Cable constructed are based on:

Insulation thickness	4.5mm
PVC ST2 90 °C	Sheath
Ambient temperature	45 °C
Ground temperature	30 °C
Thermal resistivity of soil	120 °C cm/w
Depth of laying	80 cm
Trefoil Formation	