

6/10 (12) 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	0.1595	0.39	0.09	350	360	72	9100
185	0.0991	0.1282	0.43	0.09	395	409	76	10100
240	0.0754	0.0987	0.48	0.09	450	465	82	12900
300	0.0601	0.0799	0.54	0.09	500	530	87	15200
400	0.047	0.0642	0.59	0.08	545	600	95	18300
500	0.0366	0.0522	0.67	0.075	590	685	108	22500

3 Core - AL/XLPE/STA/PVC

150	0.206	0.2650	0.39	0.09	270	280	72	6400
185	0.164	0.2114	0.43	0.09	305	320	76	6800
240	0.125	0.1618	0.48	0.09	350	360	82	8500
300	0.1	0.1302	0.53	0.09	390	410	87	9600
400	0.0778	0.1025	0.59	0.08	435	465	95	11200
500	0.0605	0.0811	0.67	0.075	490	555	108	13300

The above data is approximate and subjected to manufacturing tolerance.

Cable constructed are based on:

Insulation thickness	3.4mm
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	