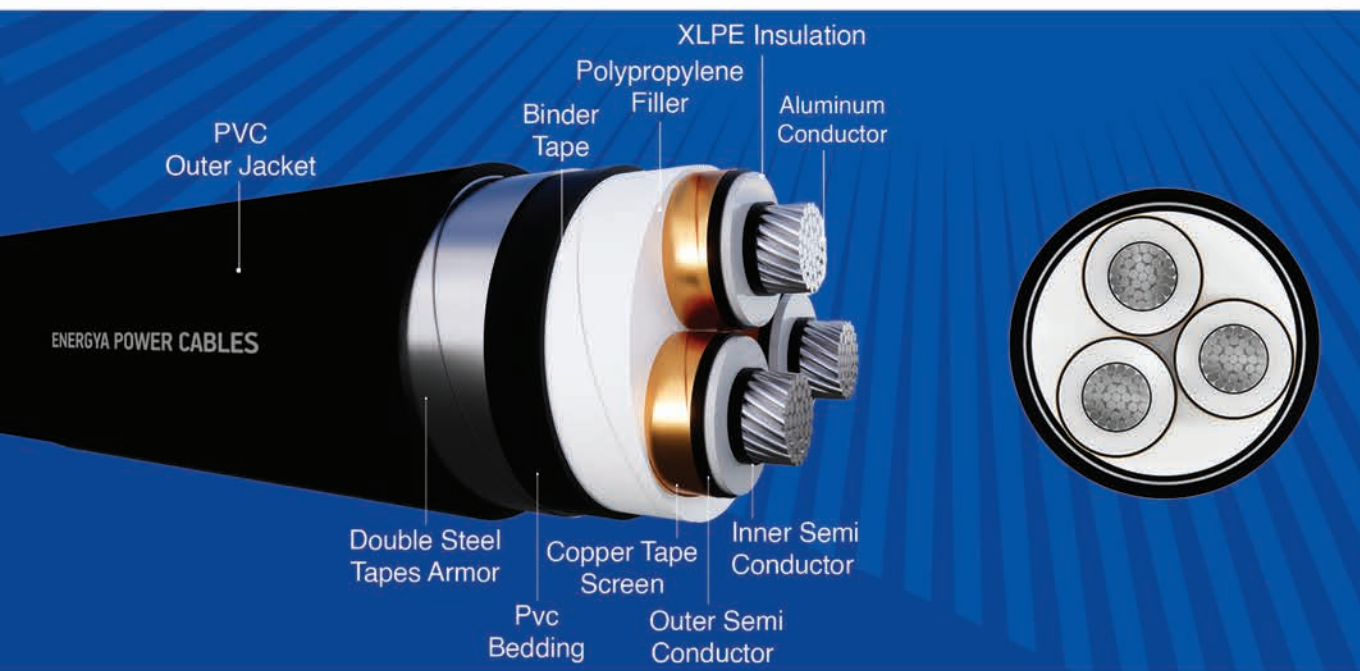


## SINGLE CORE CABLES 18/30 (36) KV



## MULTI CORE CABLES 18/30 (36) KV



Single & Multi Core Cables, with stranded Circular Aluminum conductors, XLPE insulated, Aluminum tape armored or steel tape armored and PVC Sheath.

### Description

- Stranded circular compacted Aluminum conductor, Semi-conducting layer as conductor screen, XLPE insulated, semi-conducting layer as non-metallic insulation screen, copper tape or wire as a metallic insulation screen, Multi cores are assembled together with non-hygroscopic polypropylene fillers and
- wrapped with binder tape, covered with a layer of PVC as a bedding layer, Aluminum or Steel tape armored and PVC sheathed.

### Application

- These cables are generally suitable for direct burial or for installation on trays or in ducts.

### SINGLE CORE CABLES

Product Code	Nominal Cross sectional area mm <sup>2</sup>	Max. Conductor Resistance		Capacitance µf/km	Inductance		Current Rating					Approx. Overall Diameter mm	Approx. Weight Kg/Km	
		DC at 20 °C Ω/km	AC at 90 °C Ω/km		Trefoil mh/km	Flat mh/km	Laid in ground			Laid in free air (Shaded)				
							Flat	Trefoil	Duct	Flat Touched	Trefoil Touched			
<b>1 Core - AL/XLPE/ATA/PVC</b>														
AT14X501B1	50	0.641	0.8220	0.1412	0.4761	0.5223	162	163	139	189	193	33.6	1220	
AT15X501B1	70	0.443	0.5682	0.1567	0.4509	0.4971	199	197	173	235	241	35.4	1370	
AT16X501B1	95	0.32	0.4106	0.1711	0.4307	0.4769	237	238	201	284	291	36.9	1510	
AT17X501B1	120	0.253	0.3247	0.1844	0.4148	0.4610	271	268	225	328	334	38.3	1640	
AT18X501B1	150	0.206	0.2646	0.1976	0.4021	0.4483	302	299	260	371	377	39.9	1805	
AT19X501B1	185	0.164	0.2109	0.2135	0.3860	0.4322	343	339	297	427	433	41.8	2005	
AT20X501B1	240	0.125	0.1611	0.2349	0.3704	0.4167	396	392	345	502	509	44.3	2290	
AT30X501B1	300	0.1	0.1294	0.2571	0.3569	0.4032	449	440	366	577	579	46.9	2600	
AT40X501B1	400	0.0778	0.1013	0.2820	0.3428	0.3890	514	502	450	670	673	49.8	2995	
AT50X501B1	500	0.0605	0.0797	0.3142	0.3320	0.3782	589	567	517	780	775	53.9	3540	
AT60X501B1	630	0.0469	0.0630	0.3462	0.3205	0.3667	669	637	617	903	889	57.6	4155	
AT70X501B1	800	0.0367	0.0508	0.3900	0.3075	0.3537	752	712	679	1042	1013	62.6	4970	

### MULTI CORE CABLES

Product Code	Nominal Cross sectional area mm <sup>2</sup>	Max. Conductor Resistance		Capacitance µf/km	Inductance mh/km	Current Rating			Approx. Overall Diameter mm	Approx. Weight Kg/Km	
		DC at 20 °C Ω/km	AC at 90 °C Ω/km			Ground	Duct	Laid In Free Air			
											A
<b>3 Core - AL/XLPE/STA/PVC</b>											
AT14X503A1	50	0.641	0.8220	0.1412	0.4333	153	128	174	67.5	4695	
AT15X503A1	70	0.443	0.5682	0.1567	0.4091	187	156	215	71.3	5245	
AT16X503A1	95	0.32	0.4106	0.1711	0.3909	223	187	259	74.8	5790	
AT17X503A1	120	0.253	0.3248	0.1844	0.3766	254	214	297	79.6	7130	
AT18X503A1	150	0.206	0.2647	0.1976	0.3645	284	240	335	82.6	7685	
AT19X503A1	185	0.164	0.2110	0.2135	0.3492	321	274	382	86.7	8460	
AT20X503A1	240	0.125	0.1613	0.2349	0.3350	372	317	447	92.2	9595	
AT30X503A1	300	0.1	0.1297	0.2571	0.3228	419	359	509	97.8	10785	

- The above data is approximate and subjected to manufacturing tolerance.
- This data is applicable also for 19/33 KV.

