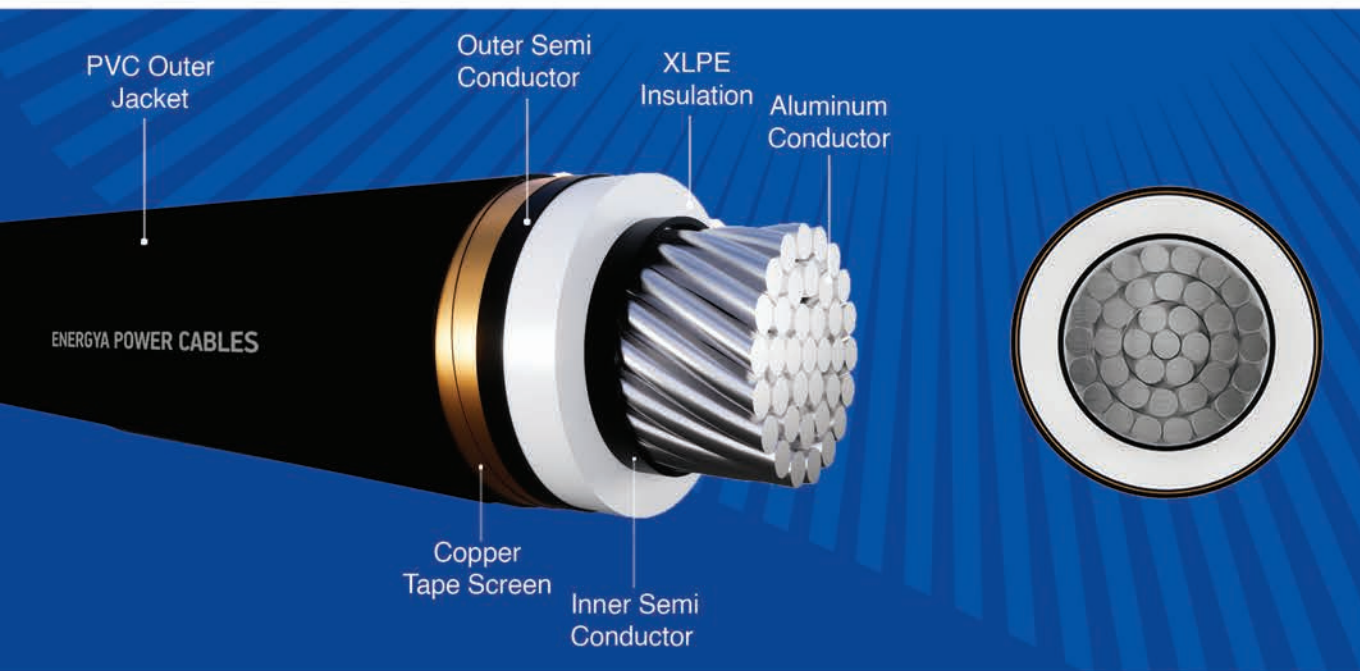
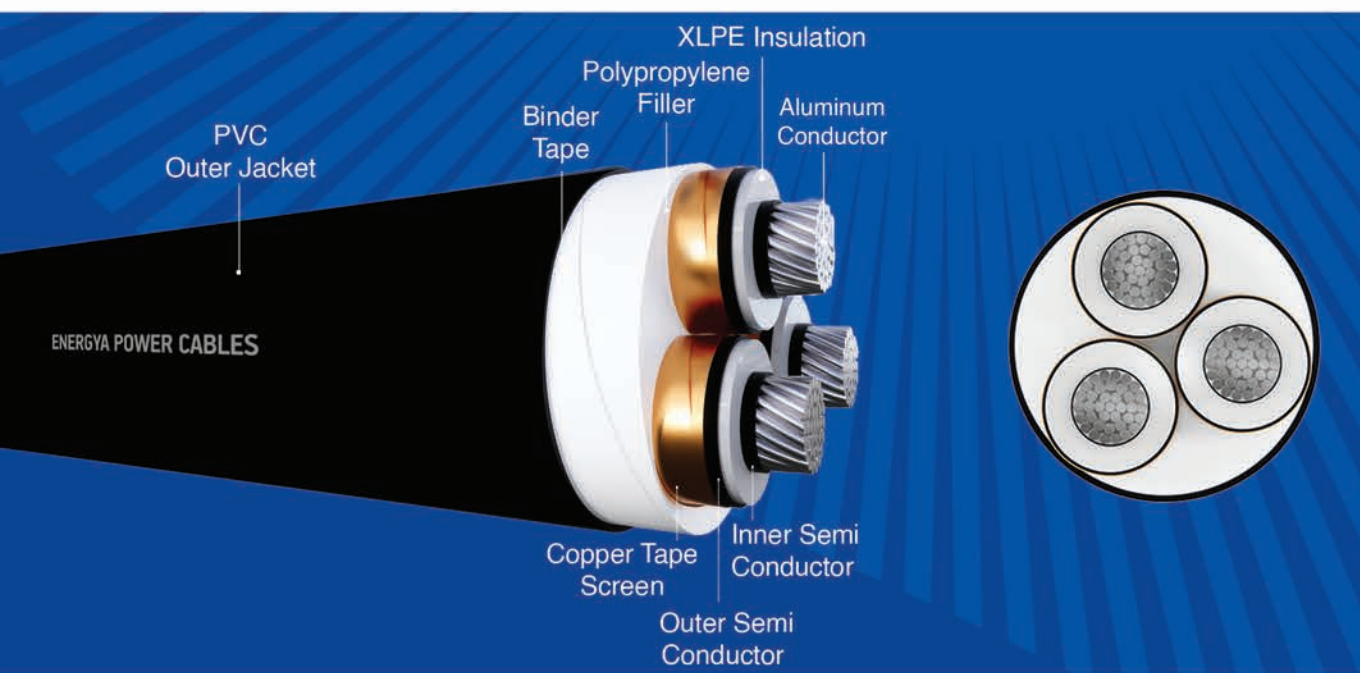


## SINGLE CORE CABLES 18/30 (36) KV



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



Single & Multi Core Cables, with stranded Circular Aluminum conductors, XLPE insulated, 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 wires as a metallic insulation screen, Multi cores are assembled together with non-hygroscopic polypropylene fillers and wrapped with binder tape, and PVC sheathed.
- Cables are produced according to IEC 60502-2.

### 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/PVC</b>														
AT14X501U1	50	0.641	0.8220	0.1412	0.4508	0.4970	166	167	134	185	193	29.6	890	
AT15X501U1	70	0.443	0.5682	0.1567	0.4256	0.4719	201	205	167	232	239	31.2	1005	
AT16X501U1	95	0.32	0.4106	0.1711	0.4078	0.4540	246	245	196	282	288	32.9	1140	
AT17X501U1	120	0.253	0.3248	0.1844	0.3927	0.4390	279	283	229	324	332	34.3	1260	
AT18X501U1	150	0.206	0.2646	0.1976	0.3809	0.4272	313	313	256	367	379	35.9	1405	
AT19X501U1	185	0.164	0.2110	0.2135	0.3648	0.4111	353	358	284	425	433	37.6	1570	
AT20X501U1	240	0.125	0.1612	0.2349	0.3505	0.3967	406	413	341	499	513	40.1	1830	
AT30X501U1	300	0.1	0.1295	0.2571	0.3382	0.3844	457	464	389	575	590	42.7	2105	
AT40X501U1	400	0.0778	0.1015	0.2820	0.3252	0.3714	522	534	450	672	685	45.6	2475	
AT50X501U1	500	0.0605	0.0799	0.3142	0.3150	0.3612	600	604	518	786	803	49.5	2950	
AT60X501U1	630	0.0469	0.0632	0.3462	0.3046	0.3508	682	701	600	909	933	53.2	3520	
AT70X501U1	800	0.0367	0.0512	0.3900	0.2929	0.3391	768	794	682	1053	1075	58.2	4275	

### 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/PVC</b>											
AT14X503U1	50	0.641	0.8220	0.1412	0.4333	162	131	185	62.5	3200	
AT15X503U1	70	0.443	0.5682	0.1567	0.4091	197	160	226	66.1	3635	
AT16X503U1	95	0.32	0.4106	0.1711	0.3909	235	192	274	69.6	4095	
AT17X503U1	120	0.253	0.3248	0.1844	0.3766	268	219	316	72.8	4545	
AT18X503U1	150	0.206	0.2647	0.1976	0.3645	301	246	357	76	5030	
AT19X503U1	185	0.164	0.2110	0.2135	0.3492	342	281	411	79.9	5635	
AT20X503U1	240	0.125	0.1613	0.2349	0.3350	397	328	484	85.2	6540	
AT30X503U1	300	0.1	0.1297	0.2571	0.3228	449	374	556	90.8	7535	

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

