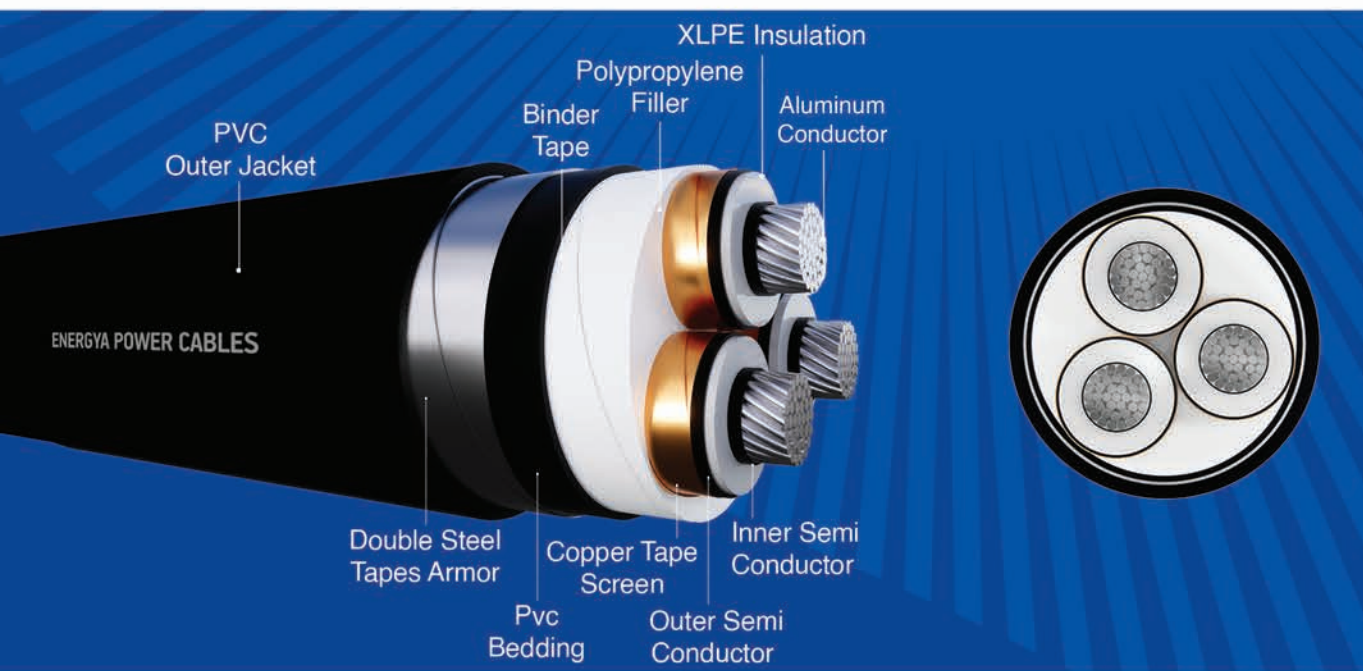


## SINGLE CORE CABLES 8.7/15 (17.5) KV



## MULTI CORE CABLES 8.7/15 (17.5) KV



Single & Multi Core Cables, with stranded Circular Aluminum conductors, XLPE insulated, Aluminum tape 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.
- 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/ATA/PVC</b>														
AT14X301B1	50	0.641	0.8220	0.2104	0.4279	0.4741	163	162	133	185	189	26.4	820	
AT15X301B1	70	0.443	0.5682	0.2371	0.4040	0.4502	200	199	168	230	236	28	935	
AT16X301B1	95	0.32	0.4106	0.2620	0.3873	0.4335	238	239	195	279	286	29.7	1070	
AT17X301B1	120	0.253	0.3248	0.2851	0.3732	0.4194	272	270	219	323	329	31.1	1190	
AT18X301B1	150	0.206	0.2647	0.3081	0.3623	0.4085	303	301	253	366	373	32.7	1335	
AT19X301B1	185	0.164	0.2110	0.3360	0.3470	0.3933	344	342	289	422	429	34.4	1495	
AT20X301B1	240	0.125	0.1613	0.3736	0.3339	0.3801	404	395	336	497	505	36.9	1750	
AT30X301B1	300	0.1	0.1296	0.4128	0.3216	0.3678	452	444	383	573	579	39.3	2010	
AT40X301B1	400	0.0778	0.1016	0.4568	0.3106	0.3569	516	505	441	667	672	42.4	2390	
AT50X301B1	500	0.0605	0.0801	0.5137	0.3025	0.3487	592	570	509	778	776	46.5	2890	
AT60X301B1	630	0.0469	0.0635	0.5705	0.2930	0.3392	671	641	605	903	892	50.2	3460	
AT70X301B1	800	0.0367	0.0514	0.6484	0.2830	0.3292	753	714	665	1042	1016	55.4	4240	

### 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>											
AT14X303A1	50	0.641	0.8220	0.2104	0.3715	153	123	168	51.6	3060	
AT15X303A1	70	0.443	0.5683	0.2371	0.3514	187	151	209	55	3470	
AT16X303A1	95	0.32	0.4107	0.2620	0.3366	223	181	253	58.7	3965	
AT17X303A1	120	0.253	0.3249	0.2851	0.3252	253	207	290	62.1	4455	
AT18X303A1	150	0.206	0.2649	0.3081	0.3156	284	232	328	65.3	4945	
AT19X303A1	185	0.164	0.2113	0.3360	0.3030	321	264	375	69.2	5555	
AT20X303A1	240	0.125	0.1617	0.3736	0.2921	372	307	440	74.8	6520	
AT30X303A1	300	0.1	0.1300	0.4128	0.2829	420	351	504	81.7	8310	

• The above data is approximate and subjected to manufacturing tolerance.

