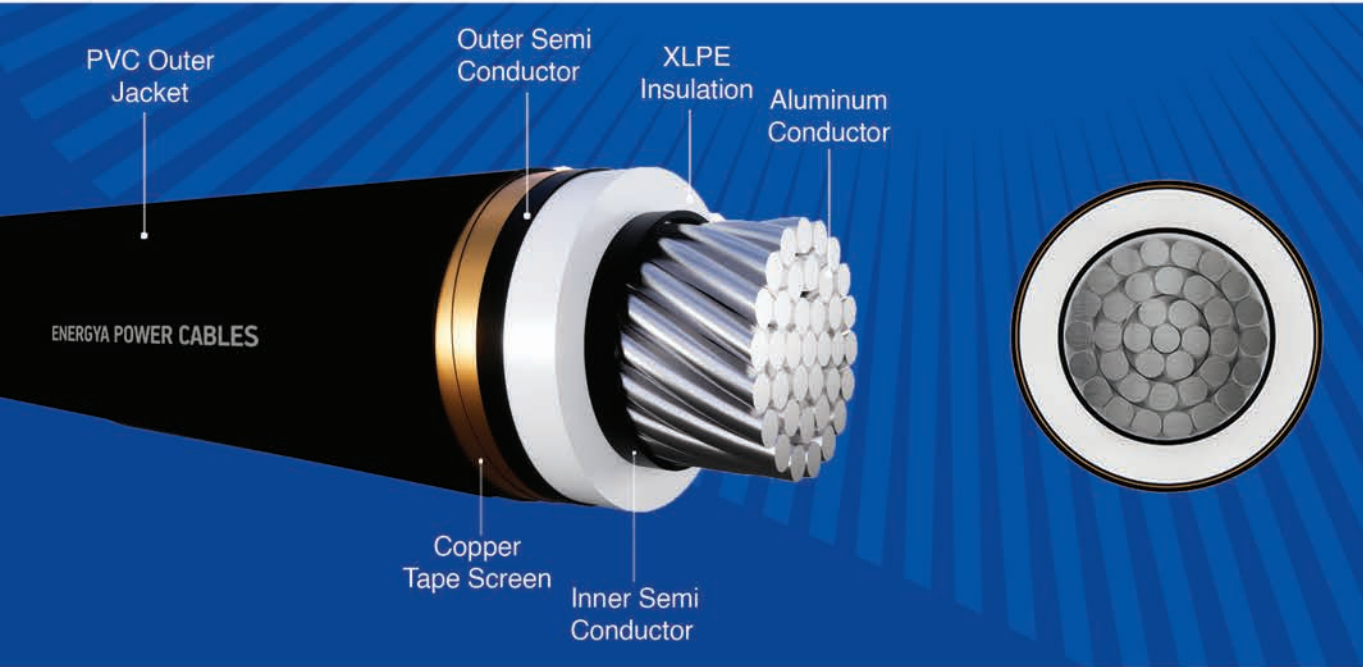
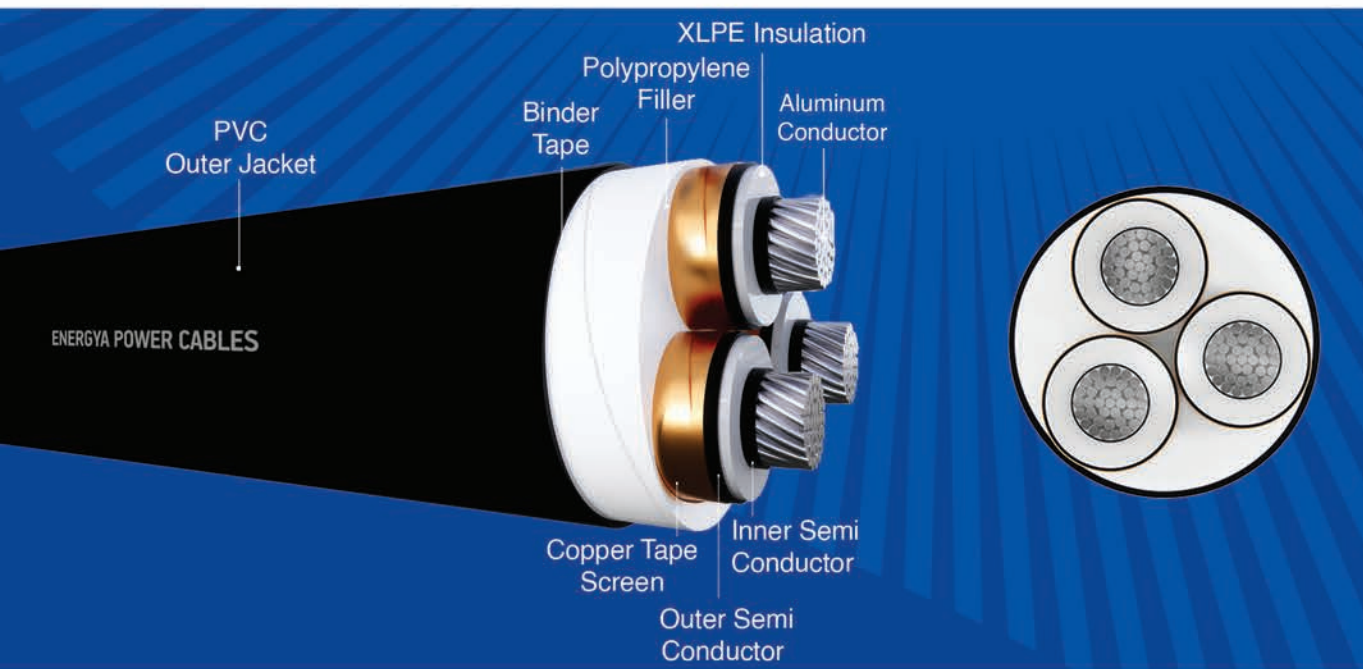


## SINGLE CORE CABLES 12/20 (24) KV



## MULTI CORE CABLES 12/20 (24) 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>														
AT14X401U1	50	0.641	0.8220	0.1812	0.4121	0.4583	166	167	131	185	188	24.4	645	
AT15X401U1	70	0.443	0.5682	0.2031	0.3892	0.4354	201	205	160	229	235	26	745	
AT16X401U1	95	0.32	0.4106	0.2235	0.3734	0.4196	243	245	196	277	284	27.7	870	
AT17X401U1	120	0.253	0.3248	0.2424	0.3599	0.4061	275	283	224	320	328	29.1	980	
AT18X401U1	150	0.206	0.2647	0.2612	0.3496	0.3959	309	313	253	363	372	30.7	1110	
AT19X401U1	185	0.164	0.2111	0.2839	0.3351	0.3813	350	358	284	417	428	32.4	1260	
AT20X401U1	240	0.125	0.1614	0.3146	0.3227	0.3690	406	411	336	495	509	34.9	1495	
AT30X401U1	300	0.1	0.1297	0.3465	0.3122	0.3584	457	459	384	570	586	37.5	1755	
AT40X401U1	400	0.0778	0.1017	0.3823	0.3010	0.3472	522	530	446	665	680	40.4	2095	
AT50X401U1	500	0.0605	0.0802	0.4286	0.2928	0.3390	596	596	512	779	798	44.3	2540	
AT60X401U1	630	0.0469	0.0637	0.4749	0.2840	0.3303	678	698	596	905	920	48	3080	
AT70X401U1	800	0.0367	0.0517	0.5382	0.2742	0.3204	762	789	676	1049	1060	53	3800	

### 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>											
AT14X403U1	50	0.641	0.8220	0.1812	0.3917	160	125	177	51.3	2275	
AT15X403U1	70	0.443	0.5682	0.2031	0.3702	197	155	221	54.9	2655	
AT16X403U1	95	0.32	0.4107	0.2235	0.3541	235	186	268	58.4	3065	
AT17X403U1	120	0.253	0.3249	0.2424	0.3417	268	214	310	61.6	3465	
AT18X403U1	150	0.206	0.2648	0.2612	0.3312	301	240	351	64.8	3905	
AT19X403U1	185	0.164	0.2112	0.2839	0.3177	341	275	404	68.9	4480	
AT20X403U1	240	0.125	0.1615	0.3146	0.3057	397	321	478	74.1	5280	
AT30X403U1	300	0.1	0.1299	0.3465	0.2954	449	366	550	79.7	6185	

- The above data is approximate and subjected to manufacturing tolerance.
- This data is applicable also for 12.7/22 KV.

