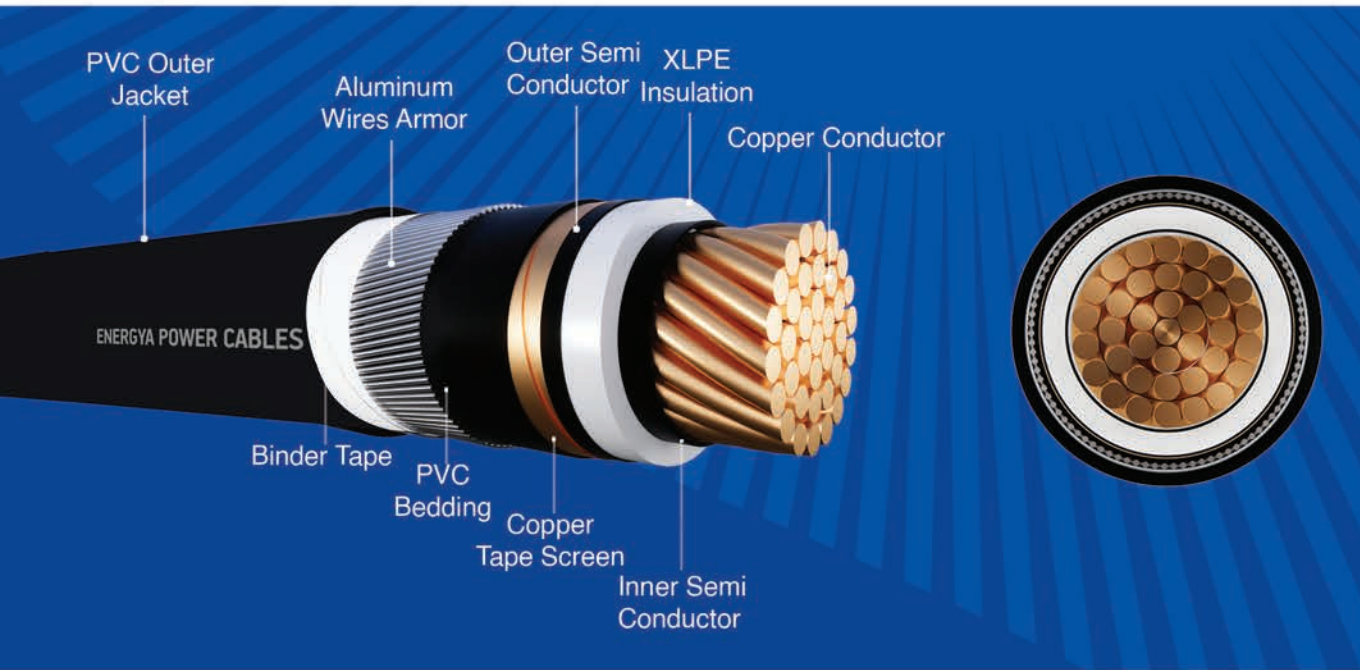
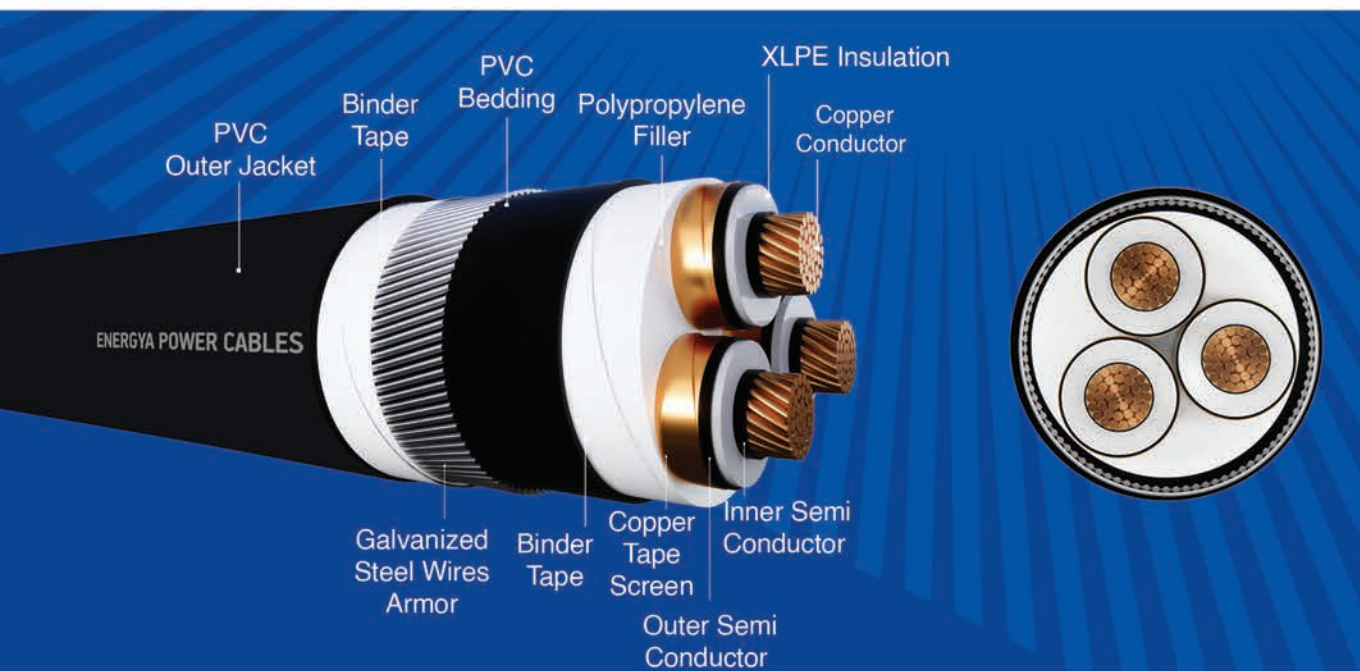


SINGLE CORE CABLES 18/30 (36) KV



MULTI CORE CABLES 18/30 (36) KV



Single & Multi Core Cables, with stranded circular copper conductors, XLPE insulated, Aluminum wire armored or Steel wire armored and PVC Sheath.

Description

- Stranded circular compacted copper 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 wire armoured and PVC sheathed.
- Cables are produced according to IEC 60502-2 or BS6622.

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 ²	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			
1 Core - Cu/XLPE/AWA/PVC														
CT14X501X1	50	0.387	0.4937	0.1412	0.4910	0.5372	209	208	178	248	250	36.2	1750	
CT15X501X1	70	0.268	0.3420	0.1596	0.4596	0.5058	255	253	218	306	308	38.1	2040	
CT16X501X1	95	0.193	0.2465	0.1711	0.4433	0.4895	303	300	260	369	369	39.3	2335	
CT17X501X1	120	0.153	0.1957	0.1844	0.4270	0.4732	343	339	295	422	421	40.7	2625	
CT18X501X1	150	0.124	0.1589	0.1976	0.4193	0.4656	381	374	329	477	470	43.5	3120	
CT19X501X1	185	0.0991	0.1274	0.2135	0.4025	0.4488	426	414	371	541	528	45.4	3575	
CT20X501X1	240	0.0754	0.0975	0.2358	0.3854	0.4316	488	466	426	630	608	48	4255	
CT30X501X1	300	0.0601	0.0784	0.2599	0.3706	0.4168	544	512	479	715	679	50.8	4955	
CT40X501X1	400	0.047	0.0623	0.2839	0.3575	0.4037	607	562	537	811	758	53.6	5900	
CT50X501X1	500	0.0366	0.0498	0.3151	0.3432	0.3894	675	611	600	921	844	57.2	7170	
CT60X501X1	630	0.0283	0.0402	0.3467	0.3320	0.3782	741	657	665	1033	931	61.1	8675	
CT70X501X1	800	0.0221	0.0333	0.3864	0.3197	0.3660	805	699	728	1147	1013	65.8	10725	

MULTI CORE CABLES

Product Code	Nominal Cross sectional area mm ²	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		
3 Core - Cu/XLPE/SWA/PVC										
CT14X503W1	50	0.387	0.4937	0.1412	0.4333	199	167	227	72.6	8370
CT15X503W1	70	0.268	0.3421	0.1596	0.4052	243	205	281	77.1	9580
CT16X503W1	95	0.193	0.2466	0.1711	0.3909	288	244	336	80.1	10735
CT17X503W1	120	0.153	0.1958	0.1844	0.3766	326	275	383	83.3	11810
CT18X503W1	150	0.124	0.1591	0.1976	0.3645	364	308	432	86.5	13010
CT19X503W1	185	0.0991	0.1276	0.2135	0.3492	408	348	489	90.6	14665
CT20X503W1	240	0.0754	0.0979	0.2358	0.3344	467	399	567	96.4	17115
CT30X503W1	300	0.0601	0.0790	0.2599	0.3219	522	449	641	102.2	19540

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

