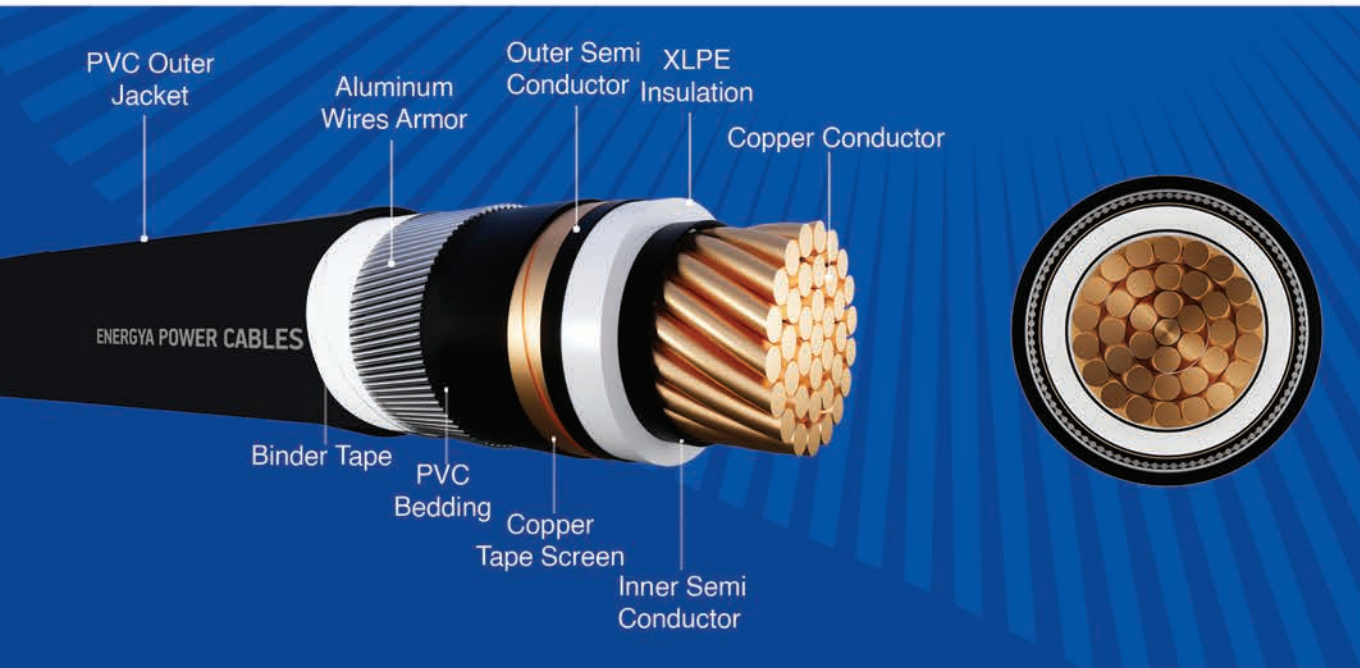
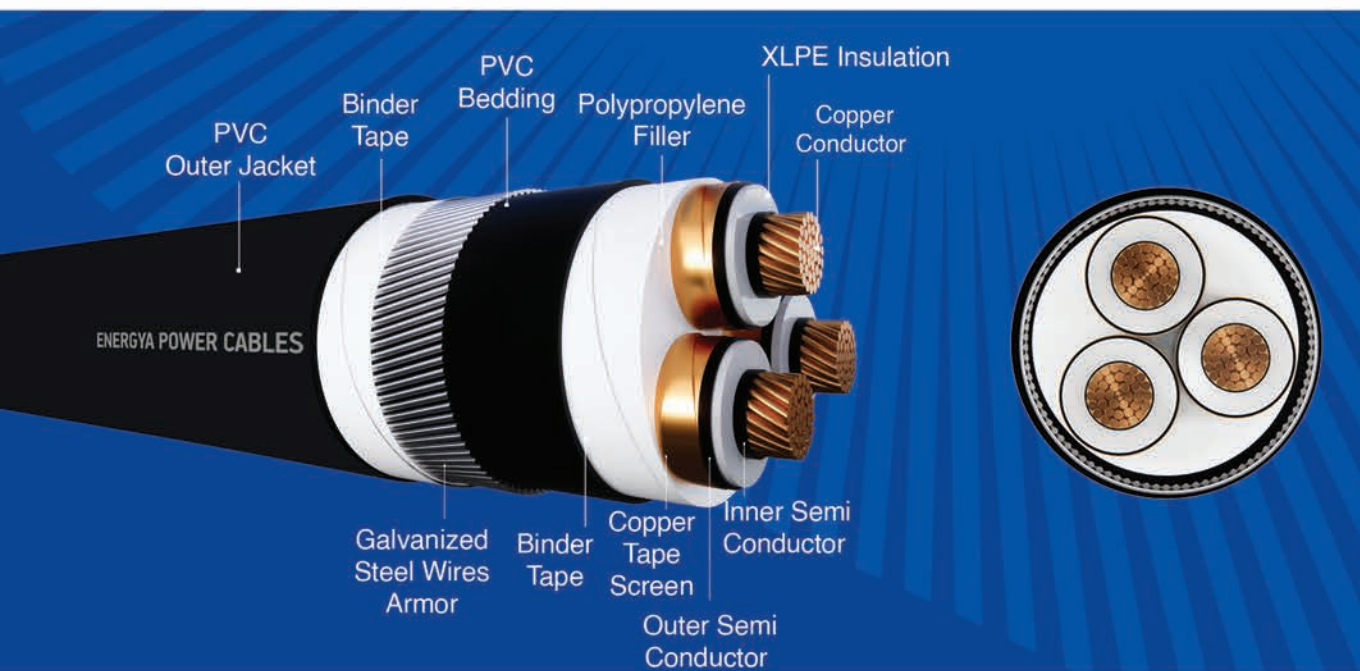


SINGLE CORE CABLES 12/20 (24) KV



MULTI CORE CABLES 12/20 (24) 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 armored 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														
CT14X401X1	50	0.387	0.4937	0.1812	0.4567	0.5030	210	209	174	244	247	30.5	1365	
CT15X401X1	70	0.268	0.3421	0.2072	0.4314	0.4777	256	254	214	303	306	33.1	1705	
CT16X401X1	95	0.193	0.2466	0.2235	0.4161	0.4623	305	302	255	366	366	34.3	1990	
CT17X401X1	120	0.153	0.1957	0.2424	0.4019	0.4481	344	340	290	419	418	35.9	2295	
CT18X401X1	150	0.124	0.1590	0.2612	0.3886	0.4348	384	379	325	473	468	37.3	2600	
CT19X401X1	185	0.0991	0.1275	0.2839	0.3721	0.4184	431	422	366	539	530	39	3015	
CT20X401X1	240	0.0754	0.0977	0.3159	0.3558	0.4020	494	478	423	630	611	41.4	3635	
CT30X401X1	300	0.0601	0.0786	0.3505	0.3490	0.3952	545	514	472	712	675	45.6	4485	
CT40X401X1	400	0.047	0.0625	0.3850	0.3371	0.3833	608	562	529	808	753	48.4	5410	
CT50X401X1	500	0.0366	0.0501	0.4300	0.3249	0.3711	674	608	591	914	834	52.2	6685	
CT60X401X1	630	0.0283	0.0406	0.4755	0.3142	0.3604	740	655	654	1026	921	55.9	8130	
CT70X401X1	800	0.0221	0.0338	0.5329	0.3033	0.3495	803	697	717	1140	1002	60.6	10125	

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										
CT14X403W1	50	0.387	0.4937	0.1812	0.3917	199	162	223	59.3	6010
CT15X403W1	70	0.268	0.3422	0.2072	0.3667	243	200	277	63.6	7060
CT16X403W1	95	0.193	0.2467	0.2235	0.3541	288	237	331	66.6	8090
CT17X403W1	120	0.153	0.1960	0.2424	0.3417	327	271	380	71.9	9995
CT18X403W1	150	0.124	0.1592	0.2612	0.3312	365	304	429	75.1	11080
CT19X403W1	185	0.0991	0.1279	0.2839	0.3177	410	342	486	79.2	12670
CT20X403W1	240	0.0754	0.0982	0.3159	0.3052	470	395	565	84.8	14980
CT30X403W1	300	0.0601	0.0794	0.3505	0.2948	524	443	639	90.8	17360

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

