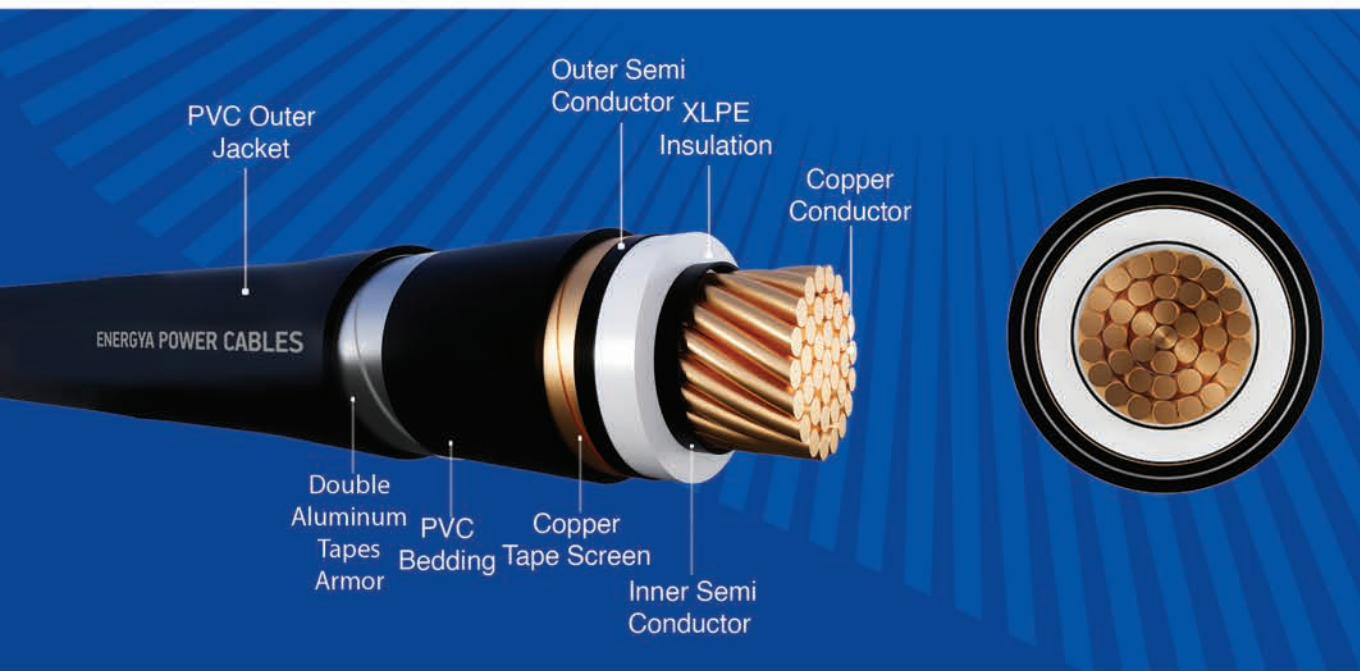


SINGLE CORE CABLES 12/20 (24) KV



MULTI CORE CABLES 12/20 (24) KV



Single & Multi Core Cables, with stranded circular copper conductors, XLPE insulated, aluminum tape armoured or Steel tape armor 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 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 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/ATA/PVC														
CT14X401B1	50	0.387	0.4937	0.1812	0.4425	0.4887	210	208	176	241	244	28.4	1205	
CT15X401B1	70	0.268	0.3421	0.2072	0.4151	0.4613	256	255	213	299	305	30.5	1485	
CT16X401B1	95	0.193	0.2466	0.2235	0.4003	0.4466	307	305	255	361	369	31.7	1760	
CT17X401B1	120	0.153	0.1958	0.2424	0.3868	0.4330	348	345	291	418	424	33.3	2050	
CT18X401B1	150	0.124	0.1590	0.2612	0.3741	0.4204	391	386	338	474	481	34.7	2345	
CT19X401B1	185	0.0991	0.1275	0.2839	0.3594	0.4057	442	434	373	543	549	36.6	2770	
CT20X401B1	240	0.0754	0.0978	0.3159	0.3439	0.3901	512	501	434	639	646	39	3375	
CT30X401B1	300	0.0601	0.0788	0.3505	0.3325	0.3787	577	559	494	731	735	42	4045	
CT40X401B1	400	0.047	0.0628	0.3850	0.3216	0.3679	652	628	561	844	838	44.8	4940	
CT50X401B1	500	0.0366	0.0504	0.4300	0.3106	0.3568	735	699	638	973	954	48.6	6165	
CT60X401B1	630	0.0283	0.0409	0.4755	0.3016	0.3478	821	770	713	1112	1075	52.5	7600	
CT70X401B1	800	0.0221	0.0342	0.5329	0.2910	0.3373	907	836	807	1256	1196	57	9525	

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/STA/PVC										
CT14X403A1	50	0.387	0.4937	0.1812	0.3917	197	160	220	56.1	4335
CT15X403A1	70	0.268	0.3422	0.2072	0.3667	242	198	274	60.4	5245
CT16X403A1	95	0.193	0.2467	0.2235	0.3541	287	236	328	63.4	6190
CT17X403A1	120	0.153	0.1960	0.2424	0.3417	325	268	374	66.8	7165
CT18X403A1	150	0.124	0.1592	0.2612	0.3312	365	300	424	69.8	8125
CT19X403A1	185	0.0991	0.1279	0.2839	0.3177	410	340	481	74.1	9545
CT20X403A1	240	0.0754	0.0982	0.3159	0.3052	474	396	565	81.1	12400
CT30X403A1	300	0.0601	0.0794	0.3505	0.2948	532	449	643	86.9	14560

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

