

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, Aluminum tape armored 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 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 - AL/XLPE/ATA/PVC													
AT14X401B1	50	0.641	0.8220	0.1812	0.4425	0.4887	162	162	135	187	191	28.4	920
AT15X401B1	70	0.443	0.5682	0.2031	0.4191	0.4653	200	198	170	231	238	30.2	1055
AT16X401B1	95	0.32	0.4106	0.2235	0.4003	0.4466	238	239	197	281	288	31.7	1180
AT17X401B1	120	0.253	0.3248	0.2424	0.3868	0.4330	272	269	221	325	331	33.3	1320
AT18X401B1	150	0.206	0.2646	0.2612	0.3741	0.4204	303	301	255	368	374	34.7	1455
AT19X401B1	185	0.164	0.2110	0.2839	0.3594	0.4057	343	341	291	424	430	36.6	1640
AT20X401B1	240	0.125	0.1613	0.3146	0.3444	0.3907	398	394	341	499	507	38.9	1885
AT30X401B1	300	0.1	0.1295	0.3465	0.3334	0.3797	451	443	386	574	578	41.7	2190
AT40X401B1	400	0.0778	0.1015	0.3823	0.3207	0.3670	515	504	443	669	673	44.6	2565
AT50X401B1	500	0.0605	0.0799	0.4286	0.3117	0.3580	591	570	510	779	776	48.7	3075
AT60X401B1	630	0.0469	0.0633	0.4749	0.3023	0.3486	670	639	609	903	891	52.6	3680
AT70X401B1	800	0.0367	0.0512	0.5382	0.2901	0.3363	753	714	671	1042	1016	57.4	4430

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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 - AL/XLPE/STA/PVC										
AT14X403A1	50	0.641	0.8220	0.1812	0.3917	153	125	171	56.1	3480
AT15X403A1	70	0.443	0.5682	0.2031	0.3702	187	153	212	59.7	3940
AT16X403A1	95	0.32	0.4107	0.2235	0.3541	223	184	255	63.4	4465
AT17X403A1	120	0.253	0.3249	0.2424	0.3417	253	209	292	66.8	4975
AT18X403A1	150	0.206	0.2648	0.2612	0.3312	284	234	330	69.8	5450
AT19X403A1	185	0.164	0.2112	0.2839	0.3177	321	267	377	74.1	6155
AT20X403A1	240	0.125	0.1615	0.3146	0.3057	373	312	444	80.9	7905
AT30X403A1	300	0.1	0.1299	0.3465	0.2954	420	353	507	86.3	8965

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

