

## 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 wire armored or Steel wire armored and LSHF 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 metallic insulation screen, cores are assembled together with non hygroscopic polypropylene fillers and wrapped with binder tape, covered with a layer of LSHF compound as bedding, aluminum wire armored or steel wire armored and LSHF sheathed.
- Cables are produced according to IEC 60502-2 or BS7835.

### 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/AWA/LSHF</b>														
AT14X401XL	50	0.641	0.8220	0.1812	0.4567	0.5030	163	162	136	189	193	30.5	1080	
AT15X401XL	70	0.443	0.5682	0.2031	0.4356	0.4819	200	199	167	236	240	32.8	1280	
AT16X401XL	95	0.32	0.4106	0.2235	0.4161	0.4623	238	237	200	285	288	34.3	1415	
AT17X401XL	120	0.253	0.3248	0.2424	0.4019	0.4481	269	268	227	328	330	35.9	1565	
AT18X401XL	150	0.206	0.2646	0.2612	0.3886	0.4348	301	299	289	370	372	37.3	1710	
AT19X401XL	185	0.164	0.2109	0.2839	0.3721	0.4184	340	336	336	424	424	39	1885	
AT20X401XL	240	0.125	0.1612	0.3146	0.3564	0.4026	392	387	336	498	493	41.3	2145	
AT30X401XL	300	0.1	0.1294	0.3465	0.3500	0.3962	437	424	378	568	553	45.3	2630	
AT40X401XL	400	0.0778	0.1014	0.3823	0.3363	0.3825	494	472	430	654	630	48.2	3035	
AT50X401XL	500	0.0605	0.0798	0.4286	0.3260	0.3722	557	523	488	752	711	52.3	3595	
AT60X401XL	630	0.0469	0.0631	0.4749	0.3149	0.3611	623	574	552	859	800	56	4210	
AT70X401XL	800	0.0367	0.0509	0.5382	0.3023	0.3485	691	624	618	977	893	61	5030	

### 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			
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<b>3 Core - AL/XLPE/SWA/LSHF</b>											
AT14X403WL	50	0.641	0.8220	0.1812	0.3917	154	125	173	59.3	5155	
AT15X403WL	70	0.443	0.5682	0.2031	0.3702	188	155	214	62.9	5730	
AT16X403WL	95	0.32	0.4107	0.2235	0.3541	224	185	258	66.6	6365	
AT17X403WL	120	0.253	0.3249	0.2424	0.3417	255	212	297	71.9	7805	
AT18X403WL	150	0.206	0.2648	0.2612	0.3312	285	238	335	75.1	8405	
AT19X403WL	185	0.164	0.2112	0.2839	0.3177	322	268	381	79.2	9280	
AT20X403WL	240	0.125	0.1615	0.3146	0.3057	372	313	446	84.6	10495	
AT30X403WL	300	0.1	0.1299	0.3465	0.2954	418	353	507	90.2	11720	

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

