

## SINGLE CORE CABLES 6/10 (12) KV



## MULTI CORE CABLES 6/10 (12) KV



Single & Multi Core Cables, with stranded Circular Aluminum conductors, XLPE insulated, Aluminum wire or Steel wire 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 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 <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/PVC</b>														
AT14X201X1	50	0.641	0.8220	0.2630	0.4241	0.4703	164	163	132	186	190	25.9	830	
AT15X201X1	70	0.443	0.5682	0.2985	0.4018	0.4481	200	200	162	232	236	27.7	960	
AT16X201X1	95	0.32	0.4106	0.3315	0.3839	0.4301	238	238	195	280	284	29.2	1085	
AT17X201X1	120	0.253	0.3248	0.3623	0.3744	0.4207	271	269	223	324	327	31.3	1270	
AT18X201X1	150	0.206	0.2647	0.3931	0.3635	0.4097	302	300	250	367	369	32.9	1415	
AT19X201X1	185	0.164	0.2110	0.4303	0.3482	0.3944	342	338	284	420	420	34.6	1580	
AT20X201X1	240	0.125	0.1613	0.4806	0.3350	0.3812	394	388	330	494	490	37.1	1850	
AT30X201X1	300	0.1	0.1296	0.5330	0.3226	0.3688	442	433	374	566	555	39.5	2115	
AT40X201X1	400	0.0778	0.1016	0.5919	0.3162	0.3624	495	474	424	652	626	43.6	2635	
AT50X201X1	500	0.0605	0.0800	0.6682	0.3067	0.3530	557	524	482	750	707	47.5	3145	
AT60X201X1	630	0.0469	0.0634	0.7444	0.2977	0.3439	623	574	544	856	794	51.4	3760	
AT70X201X1	800	0.0367	0.0513	0.8488	0.2866	0.3328	690	623	610	974	886	56.4	4540	

### 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			
											A
<b>3 Core - AL/XLPE/SWA/PVC</b>											
AT14X203W1	50	0.641	0.8220	0.2630	0.3466	154	122	169	49.6	4000	
AT15X203W1	70	0.443	0.5683	0.2985	0.3286	188	150	209	53.3	4530	
AT16X203W1	95	0.32	0.4108	0.3315	0.3154	224	181	253	56.7	5045	
AT17X203W1	120	0.253	0.3250	0.3623	0.3053	255	206	291	59.9	5600	
AT18X203W1	150	0.206	0.2650	0.3931	0.2968	286	231	330	63.2	6150	
AT19X203W1	185	0.164	0.2114	0.4303	0.2856	322	264	376	67.2	6905	
AT20X203W1	240	0.125	0.1618	0.4806	0.2761	373	307	443	74.7	8820	
AT30X203W1	300	0.1	0.1302	0.5330	0.2681	419	348	504	80.3	10035	

- The above data is approximate and subjected to manufacturing tolerance.
- This data is applicable also for 6.35/11 KV

