

## SINGLE CORE CABLES 3.6/6 (7.2) KV



## MULTI CORE CABLES 3.6/6 (7.2) KV



Single & Multi Core Cables, with stranded Circular Aluminum conductors, XLPE insulated, aluminum wires armored or Steel wires armored and PVC Sheath.

### Description

- Stranded circular compacted Aluminum 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 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>														
AT14XB01X1	50	0.641	0.8220	0.3200	0.4129	0.4592	164	164	132	185	188	24.5	760	
AT15XB01X1	70	0.443	0.5682	0.3651	0.3899	0.4362	201	200	162	230	234	26.1	875	
AT16XB01X1	95	0.32	0.4106	0.4072	0.3741	0.4203	239	238	193	279	283	27.8	1005	
AT17XB01X1	120	0.253	0.3248	0.4464	0.3605	0.4068	271	270	221	321	325	29.2	1130	
AT18XB01X1	150	0.206	0.2647	0.4856	0.3503	0.3965	303	301	248	364	367	30.8	1270	
AT19XB01X1	185	0.164	0.2110	0.5331	0.3399	0.3862	342	338	283	419	419	33.2	1490	
AT20XB01X1	240	0.125	0.1614	0.5973	0.3262	0.3724	394	389	328	493	488	35.5	1740	
AT30XB01X1	300	0.1	0.1297	0.6412	0.3164	0.3627	443	434	372	564	554	38.3	2025	
AT40XB01X1	400	0.0778	0.1017	0.6672	0.3068	0.3530	501	484	426	653	633	41.6	2415	
AT50XB01X1	500	0.0605	0.0800	0.7084	0.3051	0.3513	558	525	482	750	710	47.1	3105	
AT60XB01X1	630	0.0469	0.0634	0.7896	0.2962	0.3424	623	574	544	856	795	51	3715	
AT70XB01X1	800	0.0367	0.0514	0.9010	0.2852	0.3314	690	622	608	973	886	56	4505	

### 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/PVC</b>											
AT14XB03W1	50	0.641	0.8220	0.3200	0.3291	154	121	168	46	3580	
AT15XB03W1	70	0.443	0.5683	0.3651	0.3127	188	149	208	49.9	4110	
AT16XB03W1	95	0.32	0.4108	0.4072	0.3007	225	178	252	53.3	4650	
AT17XB03W1	120	0.253	0.3251	0.4464	0.2916	255	205	289	56.7	5170	
AT18XB03W1	150	0.206	0.2650	0.4856	0.2840	285	230	327	59.9	5745	
AT19XB03W1	185	0.164	0.2115	0.5331	0.2736	323	262	375	63.8	6420	
AT20XB03W1	240	0.125	0.1619	0.5973	0.2652	374	306	443	71.1	8240	
AT30XB03W1	300	0.1	0.1304	0.6412	0.2596	419	347	504	77.3	9500	

- The above data is approximate and subjected to manufacturing tolerance.
- This data is applicable also for 3.8/6.6 KV

