

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 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 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/AWA/LSHF														
AT14XB01XL	50	0.641	0.8220	0.3200	0.4129	0.4592	164	164	132	185	188	24.5	760	
AT15XB01XL	70	0.443	0.5682	0.3651	0.3899	0.4362	201	200	162	230	234	26.1	875	
AT16XB01XL	95	0.32	0.4106	0.4072	0.3741	0.4203	239	238	193	279	283	27.8	1005	
AT17XB01XL	120	0.253	0.3248	0.4464	0.3605	0.4068	271	270	221	321	325	29.2	1130	
AT18XB01XL	150	0.206	0.2647	0.4856	0.3503	0.3965	303	301	248	364	367	30.8	1270	
AT19XB01XL	185	0.164	0.2110	0.5331	0.3399	0.3862	342	338	283	419	419	33.2	1490	
AT20XB01XL	240	0.125	0.1614	0.5973	0.3262	0.3724	394	389	328	493	488	35.5	1740	
AT30XB01XL	300	0.1	0.1297	0.6412	0.3164	0.3627	443	434	372	564	554	38.3	2025	
AT40XB01XL	400	0.0778	0.1017	0.6672	0.3068	0.3530	501	484	426	653	633	41.6	2415	
AT50XB01XL	500	0.0605	0.0800	0.7084	0.3051	0.3513	558	525	482	750	710	47.1	3105	
AT60XB01XL	630	0.0469	0.0634	0.7896	0.2962	0.3424	623	574	544	856	795	51	3715	
AT70XB01XL	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 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/SWA/LSHF										
AT14XB03WL	50	0.641	0.8220	0.3200	0.3291	154	121	168	46	3580
AT15XB03WL	70	0.443	0.5683	0.3651	0.3127	188	149	208	49.9	4110
AT16XB03WL	95	0.32	0.4108	0.4072	0.3007	225	178	252	53.3	4650
AT17XB03WL	120	0.253	0.3251	0.4464	0.2916	255	205	289	56.7	5170
AT18XB03WL	150	0.206	0.2650	0.4856	0.2840	285	230	327	59.9	5745
AT19XB03WL	185	0.164	0.2115	0.5331	0.2736	323	262	375	63.8	6420
AT20XB03WL	240	0.125	0.1619	0.5973	0.2652	374	306	443	71.1	8240
AT30XB03WL	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.

