

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 tape armored or Steel tape armoured 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.

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														
AT14XB01B1	50	0.641	0.8220	0.3200	0.3968	0.4430	163	163	130	181	186	22.6	640	
AT15XB01B1	70	0.443	0.5682	0.3651	0.3748	0.4210	200	200	163	226	232	24.2	745	
AT16XB01B1	95	0.32	0.4106	0.4072	0.3584	0.4046	239	238	192	275	282	25.7	860	
AT17XB01B1	120	0.253	0.3249	0.4464	0.3471	0.3933	273	271	219	318	325	27.3	985	
AT18XB01B1	150	0.206	0.2648	0.4856	0.3362	0.3824	305	303	247	361	369	28.7	1105	
AT19XB01B1	185	0.164	0.2111	0.5331	0.3236	0.3698	345	343	283	417	425	30.6	1270	
AT20XB01B1	240	0.125	0.1614	0.5973	0.3122	0.3584	400	396	330	493	502	33.1	1510	
AT30XB01B1	300	0.1	0.1298	0.6412	0.3035	0.3497	453	446	377	569	576	35.9	1785	
AT40XB01B1	400	0.0778	0.1018	0.6672	0.2939	0.3401	517	507	436	665	670	39	2140	
AT50XB01B1	500	0.0605	0.0803	0.7084	0.2892	0.3354	591	572	504	777	776	43.5	2645	
AT60XB01B1	630	0.0469	0.0637	0.7896	0.2815	0.3277	670	642	600	901	891	47.4	3220	
AT70XB01B1	800	0.0367	0.0517	0.9010	0.2719	0.3181	753	713	660	1041	1016	52.4	3950	

MULTI CORE CABLES

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		DC at 20 °C Ω/km	AC at 90 °C Ω/km			Ground	Duct	Laid In Free Air		
3 Core - AL/XLPE/STA/PVC										
AT14XB03A1	50	0.641	0.8220	0.3200	0.3291	153	119	165	42.8	2295
AT15XB03A1	70	0.443	0.5683	0.3651	0.3127	187	147	205	46.7	2720
AT16XB03A1	95	0.32	0.4108	0.4072	0.3007	223	177	248	50.1	3140
AT17XB03A1	120	0.253	0.3251	0.4464	0.2916	253	202	285	53.5	3585
AT18XB03A1	150	0.206	0.2650	0.4856	0.2840	284	228	323	56.7	4040
AT19XB03A1	185	0.164	0.2115	0.5331	0.2736	322	260	371	60.6	4600
AT20XB03A1	240	0.125	0.1619	0.5973	0.2652	372	302	435	66.2	5495
AT30XB03A1	300	0.1	0.1304	0.6412	0.2596	419	343	498	72.2	6485

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

