

SINGLE CORE CABLES 8.7/15 (17.5) KV



MULTI CORE CABLES 8.7/15 (17.5) KV



Single & Multi Core Cables, with stranded Circular Aluminum conductors, XLPE insulated, Aluminum wire 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 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														
AT14X301XL	50	0.641	0.8220	0.2104	0.4418	0.4880	163	163	134	188	191	28.3	960	
AT15X301XL	70	0.443	0.5682	0.2371	0.4185	0.4647	200	200	165	234	238	30.1	1100	
AT16X301XL	95	0.32	0.4106	0.2620	0.4028	0.4491	238	238	198	284	287	32.1	1275	
AT17X301XL	120	0.253	0.3248	0.2851	0.3892	0.4354	271	268	225	326	329	33.7	1420	
AT18X301XL	150	0.206	0.2646	0.3081	0.3764	0.4227	302	299	253	369	371	35.1	1555	
AT19X301XL	185	0.164	0.2110	0.3360	0.3616	0.4078	340	337	287	422	422	37	1750	
AT20X301XL	240	0.125	0.1613	0.3736	0.3465	0.3927	393	387	333	496	491	39.3	2005	
AT30X301XL	300	0.1	0.1295	0.4128	0.3334	0.3797	442	432	376	568	558	41.7	2265	
AT40X301XL	400	0.0778	0.1015	0.4568	0.3269	0.3731	495	473	427	653	628	46	2845	
AT50X301XL	500	0.0605	0.0799	0.5137	0.3174	0.3636	558	524	487	752	712	50.1	3375	
AT60X301XL	630	0.0469	0.0632	0.5705	0.3068	0.3531	624	575	548	858	798	53.8	3985	
AT70X301XL	800	0.0367	0.0511	0.6484	0.2949	0.3412	691	624	615	976	890	58.8	4795	

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		DC at 20 °C Ω/km	AC at 90 °C Ω/km			Ground	Duct	Laid In Free Air			
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3 Core - AL/XLPE/SWA/LSHF											
AT14X303WL	50	0.641	0.8220	0.2104	0.3715	154	125	171	54.6	4570	
AT15X303WL	70	0.443	0.5683	0.2371	0.3514	188	153	212	58.2	5120	
AT16X303WL	95	0.32	0.4107	0.2620	0.3366	224	183	256	61.9	5730	
AT17X303WL	120	0.253	0.3249	0.2851	0.3252	255	208	293	65.3	6295	
AT18X303WL	150	0.206	0.2649	0.3081	0.3156	286	236	334	70.2	7635	
AT19X303WL	185	0.164	0.2113	0.3360	0.3030	322	268	380	74.5	8520	
AT20X303WL	240	0.125	0.1617	0.3736	0.2921	372	309	445	79.9	9695	
AT30X303WL	300	0.1	0.1300	0.4128	0.2829	418	351	506	85.4	10880	

The above data is approximate and subjected to manufacturing tolerance.

