

SINGLE CORE CABLES 12/20 (24) KV



MULTI CORE CABLES 12/20 (24) KV



Single & Multi Core Cables, with stranded Circular Aluminum conductors, XLPE insulated, Aluminum wire armor or Steel wire armor 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 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 A	Trefoil A	Duct A	Flat Touched A	Trefoil Touched A			
1 Core - AL/XLPE/AWA/PVC														
AT14X401X1	50	0.641	0.8220	0.1812	0.4567	0.5030	163	162	136	189	193	30.5	1080	
AT15X401X1	70	0.443	0.5682	0.2031	0.4356	0.4819	200	199	167	236	240	32.8	1280	
AT16X401X1	95	0.32	0.4106	0.2235	0.4161	0.4623	238	237	200	285	288	34.3	1415	
AT17X401X1	120	0.253	0.3248	0.2424	0.4019	0.4481	269	268	227	328	330	35.9	1565	
AT18X401X1	150	0.206	0.2646	0.2612	0.3886	0.4348	301	299	289	370	372	37.3	1710	
AT19X401X1	185	0.164	0.2109	0.2839	0.3721	0.4184	340	336	336	424	424	39	1885	
AT20X401X1	240	0.125	0.1612	0.3146	0.3564	0.4026	392	387	390	498	493	41.3	2145	
AT30X401X1	300	0.1	0.1294	0.3465	0.3500	0.3962	437	424	378	568	553	45.3	2630	
AT40X401X1	400	0.0778	0.1014	0.3823	0.3363	0.3825	494	472	430	654	630	48.2	3035	
AT50X401X1	500	0.0605	0.0798	0.4286	0.3260	0.3722	557	523	488	752	711	52.3	3595	
AT60X401X1	630	0.0469	0.0631	0.4749	0.3149	0.3611	623	574	552	859	800	56	4210	
AT70X401X1	800	0.0367	0.0509	0.5382	0.3023	0.3485	691	624	618	977	893	61	5030	

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		DC at 20 °C Ω/km	AC at 90 °C Ω/km			Ground A	Duct A	Laid In Free Air A			
3 Core - AL/XLPE/SWA/PVC											
AT14X403W1	50	0.641	0.8220	0.1812	0.3917	154	125	173	59.3	5155	
AT15X403W1	70	0.443	0.5682	0.2031	0.3702	188	155	214	62.9	5730	
AT16X403W1	95	0.32	0.4107	0.2235	0.3541	224	185	258	66.6	6365	
AT17X403W1	120	0.253	0.3249	0.2424	0.3417	255	212	297	71.9	7805	
AT18X403W1	150	0.206	0.2648	0.2612	0.3312	285	238	335	75.1	8405	
AT19X403W1	185	0.164	0.2112	0.2839	0.3177	322	268	381	79.2	9280	
AT20X403W1	240	0.125	0.1615	0.3146	0.3057	372	313	446	84.6	10495	
AT30X403W1	300	0.1	0.1299	0.3465	0.2954	418	353	507	90.2	11720	

- The above data is approximate and subjected to manufacturing tolerance.
- This data is applicable also for 12.7/22 KV.

