

U_o/U(U_m)=18/30(36)KV-SINGLE-CORE CABLE- ARMoured (ATA)

COPPER CONDUCTORS/8 mm XLPE INSULATION THICKNESS / PVC SHEATHED-90°C

Nominal cross-sectional area	Overall diameter Φ approx	Net weight approx	Max resistance		Current carrying capacity				short circuit current of conductor for 1 sec.	Capacitance	Inductance		Voltage drop at 50 HZ $\cos.\phi$ 0.8	
			DC at 20°C	AC at 90°C	Ground at 35°C		Air at 40°C				trefoil	flat	trefoil	flat
mm ²	mm	kg/km	Ω /KM	Ω /KM	Amp	Amp	Amp	Amp	ka/km	μ f/km	mh/km	mh/km	V/A/km	V/A/km
1x50	37.0	1897	0.387	0.494	190	200	205	315	7.15	0.133	0.452	0.498	0.820	0.843
1x70	38.9	2225	0.268	0.342	235	245	260	315	10.01	0.148	0.429	0.475	0.626	0.649
1x95	40.7	2544	0.193	0.247	280	295	315	380	13.59	0.163	0.411	0.457	0.503	0.526
1x120	42.2	2855	0.153	0.196	320	335	355	430	17.16	0.174	0.398	0.444	0.435	0.458
1x150	43.4	3192	0.124	0.159	360	365	410	405	21.45	0.184	0.389	0.435	0.386	0.409
1x185	45.9	3663	0.0991	0.1275	400	415	465	565	26.46	0.199	0.378	0.424	0.343	0.366
1x240	48.5	4362	0.0754	0.0975	465	475	555	660	34.32	0.220	0.363	0.409	0.299	0.322
1x300	51.0	5045	0.0601	0.0800	525	535	640	750	42.90	0.239	0.351	0.397	0.272	0.296
1x400	53.9	6032	0.0470	0.0630	590	580	730	835	57.20	0.261	0.340	0.386	0.246	0.269
1x500	58.4	7371	0.0366	0.0520	665	645	845	955	71.50	0.292	0.328	0.374	0.227	0.250
1x630	62.1	8808	0.0283	0.0415	735	710	960	1080	90.09	0.320	0.317	0.363	0.209	0.232
1x800	66.4	10375	0.0221	0.0325	855	955	1130	1455	114.40	0.352	0.308	0.354	0.193	0.217
1x1000	77.0	13207	0.0176	0.0235	1060	1165	1480	1825	143.00	0.429	0.291	0.337	0.174	0.198

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			DC at 20°C	AC at 90°C	Ground at 35°C		Air at 40°C				trefoil	flat	trefoil	flat
mm ²	mm	kg/km	Ω /KM	Ω /KM	Amp	Amp	Amp	Amp	ka/km	μ f/km	mh/km	mh/km	V/A/km	V/A/km
1x50	37.0	1611	0.641	0.822	155	155	165	190	4.60	0.133	0.452	0.498	1.213	1.236
1x70	38.9	1787	0.443	0.569	185	190	200	235	6.44	0.148	0.429	0.475	0.898	0.921
1x95	40.7	1970	0.320	0.411	215	225	240	295	8.74	0.163	0.411	0.457	0.699	0.723
1x120	42.2	2132	0.253	0.325	250	260	280	340	11.04	0.174	0.398	0.444	0.590	0.613
1x150	43.4	2287	0.206	0.265	275	285	320	385	13.80	0.184	0.389	0.435	0.513	0.537
1x185	45.9	2563	0.1640	0.2110	315	325	365	440	17.02	0.199	0.378	0.424	0.443	0.466
1x240	48.5	2889	0.1250	0.1620	365	375	430	530	22.08	0.220	0.363	0.409	0.377	0.400
1x300	51.0	3216	0.1000	0.1300	410	420	490	600	27.60	0.239	0.351	0.397	0.332	0.356
1x400	53.9	3658	0.0778	0.1000	465	475	580	685	36.80	0.261	0.340	0.386	0.291	0.314
1x500	58.4	4280	0.0605	0.0800	530	540	675	815	46.00	0.292	0.328	0.374	0.261	0.284
1x630	62.1	4932	0.0469	0.0621	605	610	785	905	57.96	0.320	0.317	0.363	0.234	0.257
1x800	66.4	5627	0.0367	0.0495	695	770	930	1155	73.60	0.352	0.308	0.354	0.214	0.237
1x1000	77.0	7025	0.0291	0.0376	845	915	1175	1430	92.00	0.429	0.291	0.337	0.191	0.214