

U₀/U(U_m)=8.7/15(17.5)KV-SINGLE-CORE CABLE- ARMoured (ATA)

COPPER CONDUCTORS/ 4.5 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. ϕ 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
1x25	26.6	1052	0.727	0.927	135	140	140	165	3.58	0.164	0.439	0.485	1.333	1.356
1x35	27.7	1188	0.524	0.668	160	175	170	205	5.01	0.178	0.422	0.468	1.014	1.037
1x50	29.1	1363	0.387	0.494	190	200	205	315	7.15	0.198	0.404	0.450	0.796	0.819
1x70	31.0	1667	0.268	0.342	235	245	260	315	10.01	0.224	0.383	0.429	0.603	0.626
1x95	32.8	1962	0.193	0.247	280	295	315	380	13.59	0.249	0.367	0.413	0.481	0.504
1x120	34.7	2293	0.153	0.196	320	335	355	430	17.16	0.269	0.359	0.405	0.416	0.439
1x150	35.9	2616	0.124	0.159	360	365	410	405	21.45	0.285	0.351	0.397	0.367	0.390
1x185	38.0	3011	0.0991	0.1275	400	415	465	565	26.46	0.312	0.340	0.386	0.324	0.347
1x240	40.6	3676	0.0754	0.0975	465	475	555	660	34.32	0.348	0.327	0.373	0.281	0.304
1x300	43.1	4326	0.0601	0.0800	525	535	640	750	42.90	0.381	0.317	0.363	0.255	0.279
1x400	46.4	5328	0.0470	0.0630	590	580	730	835	57.20	0.420	0.310	0.356	0.231	0.254
1x500	50.5	6554	0.0366	0.0520	665	645	845	955	71.50	0.474	0.298	0.344	0.212	0.235
1x630	54.2	7950	0.0283	0.0415	735	710	960	1080	90.09	0.524	0.290	0.336	0.196	0.219
1x800	58.9	9520	0.0221	0.0325	855	955	1130	1455	114.40	0.581	0.284	0.330	0.181	0.205
1x1000	69.1	12145	0.0176	0.0235	1060	1165	1480	1825	143.00	0.716	0.269	0.315	0.163	0.187

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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
1x25	26.6	900	1.200	1.539	105	110	110	110	2.30	0.164	0.439	0.485	2.067	2.090
1x35	27.7	975	0.868	1.113	130	130	130	155	3.22	0.178	0.422	0.468	1.548	1.571
1x50	29.1	1077	0.641	0.822	155	155	165	190	4.60	0.198	0.404	0.450	1.189	1.212
1x70	31.0	1229	0.443	0.569	185	190	200	235	6.44	0.224	0.383	0.429	0.875	0.898
1x95	32.8	1388	0.320	0.411	215	225	240	295	8.74	0.249	0.367	0.413	0.678	0.701
1x120	34.7	1570	0.253	0.325	250	260	280	340	11.04	0.269	0.359	0.405	0.570	0.593
1x150	35.9	1711	0.206	0.265	275	285	320	385	13.80	0.285	0.351	0.397	0.494	0.518
1x185	38.0	1911	0.1640	0.2110	315	325	365	440	17.02	0.312	0.340	0.386	0.424	0.447
1x240	40.6	2203	0.1250	0.1620	365	375	430	530	22.08	0.348	0.327	0.373	0.359	0.382
1x300	43.1	2497	0.1000	0.1300	410	420	490	600	27.60	0.381	0.317	0.363	0.315	0.339
1x400	46.4	2954	0.0778	0.1000	465	475	580	685	36.80	0.420	0.310	0.356	0.276	0.299
1x500	50.5	3463	0.0605	0.0800	530	540	675	815	46.00	0.474	0.298	0.344	0.246	0.269
1x630	54.2	4066	0.0469	0.0621	605	610	785	905	57.96	0.524	0.290	0.336	0.220	0.243
1x800	58.9	4773	0.0367	0.0495	695	770	930	1155	73.60	0.581	0.284	0.330	0.202	0.225
1x1000	69.1	5963	0.0291	0.0376	845	915	1175	1430	92.00	0.716	0.269	0.315	0.180	0.204