

U₀/U(U_m)=18/30(36)KV-SINGLE-CORE CABLE- ARMoured (AWA)

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. 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
1x50	39.7	2193	0.387	0.494	185	195	195	245	7.15	0.133	0.466	0.512	0.827	0.850
1x70	41.9	2562	0.268	0.342	230	235	250	305	10.01	0.148	0.443	0.489	0.633	0.656
1x95	43.7	2897	0.193	0.247	275	285	305	370	13.59	0.163	0.425	0.471	0.510	0.533
1x120	46.3	3359	0.153	0.196	315	325	345	420	17.16	0.174	0.416	0.462	0.444	0.467
1x150	47.5	3711	0.124	0.159	350	355	400	480	21.45	0.184	0.407	0.453	0.395	0.418
1x185	49.9	4213	0.0991	0.1275	395	405	455	555	26.46	0.199	0.395	0.441	0.351	0.374
1x240	52.6	4946	0.0754	0.0975	460	465	540	645	34.32	0.220	0.379	0.425	0.307	0.330
1x300	55.1	5659	0.0601	0.0800	520	525	630	740	42.90	0.239	0.366	0.412	0.280	0.303
1x400	58.0	6682	0.0470	0.0630	580	570	720	825	57.20	0.261	0.354	0.400	0.253	0.277
1x500	62.5	8079	0.0366	0.0520	660	640	835	940	71.50	0.292	0.341	0.387	0.234	0.257
1x630	66.2	9562	0.0283	0.0415	730	700	950	1060	90.09	0.320	0.330	0.376	0.216	0.239
1x800	70.5	11183	0.0221	0.0325	850	945	1120	1440	114.40	0.352	0.319	0.365	0.199	0.223
1x1000	82.5	14480	0.0176	0.0235	1050	1155	1470	1815	143.00	0.429	0.305	0.351	0.181	0.204

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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	39.7	1907	0.641	0.822	150	150	160	185	4.60	0.133	0.466	0.512	1.220	1.244
1x70	41.9	2124	0.443	0.569	180	185	195	230	6.44	0.148	0.443	0.489	0.906	0.929
1x95	43.7	2323	0.320	0.411	210	220	235	290	8.74	0.163	0.425	0.471	0.707	0.730
1x120	46.3	2636	0.253	0.325	245	255	275	335	11.04	0.174	0.416	0.462	0.599	0.622
1x150	47.5	2806	0.206	0.265	270	280	315	375	13.80	0.184	0.407	0.453	0.522	0.546
1x185	49.9	3113	0.1640	0.2110	310	315	360	430	17.02	0.199	0.395	0.441	0.451	0.475
1x240	52.6	3473	0.1250	0.1620	360	365	425	520	22.08	0.220	0.379	0.425	0.385	0.408
1x300	55.1	3830	0.1000	0.1300	400	410	480	590	27.60	0.239	0.366	0.412	0.340	0.363
1x400	58.0	4308	0.0778	0.1000	455	465	570	675	36.80	0.261	0.354	0.400	0.298	0.321
1x500	62.5	4988	0.0605	0.0800	520	530	665	805	46.00	0.292	0.341	0.387	0.267	0.290
1x630	66.2	5686	0.0469	0.0621	595	600	775	895	57.96	0.320	0.330	0.376	0.240	0.263
1x800	70.5	6435	0.0367	0.0495	680	760	920	1145	73.60	0.352	0.319	0.365	0.220	0.243
1x1000	82.5	8298	0.0291	0.0376	835	905	1160	1415	92.00	0.429	0.305	0.351	0.198	0.221