

U_o/U(U_m)=6/10(12)KV-SINGLE-CORE CABLE- ARMoured (AWA)

COPPER CONDUCTORS/ 3.4mm 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 trefoil flat	Air at 40°C trefoil flat		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
1x16	24.6	914	1.150	1.470	105	110	110	120	2.29	0.177	0.460	0.506	1.995	2.018
1x25	25.9	1055	0.727	0.927	130	135	135	160	3.58	0.200	0.435	0.481	1.331	1.354
1x35	26.9	1191	0.524	0.668	160	170	170	200	5.01	0.219	0.418	0.464	1.012	1.035
1x50	28.1	1357	0.387	0.494	185	195	195	245	7.15	0.244	0.400	0.446	0.794	0.817
1x70	30.0	1660	0.268	0.342	230	235	250	305	10.01	0.277	0.380	0.426	0.601	0.624
1x95	32.0	1962	0.193	0.247	275	285	305	370	13.59	0.311	0.364	0.410	0.479	0.502
1x120	34.0	2303	0.153	0.196	315	325	345	420	17.16	0.334	0.358	0.404	0.415	0.438
1x150	36.0	2705	0.124	0.159	350	355	400	480	21.45	0.359	0.353	0.399	0.368	0.391
1x185	37.6	3078	0.0991	0.1275	395	405	455	555	26.46	0.391	0.341	0.387	0.325	0.348
1x240	40.3	3752	0.0754	0.0975	460	465	540	645	34.32	0.438	0.329	0.375	0.282	0.305
1x300	43.0	4423	0.0601	0.0800	520	525	630	740	42.90	0.486	0.320	0.366	0.257	0.280
1x400	47.0	5529	0.0470	0.0630	580	570	720	825	57.20	0.532	0.315	0.361	0.234	0.257
1x500	51.6	6837	0.0366	0.0520	660	640	835	940	71.50	0.608	0.305	0.351	0.216	0.239
1x630	55.4	8247	0.0283	0.0415	730	700	950	1060	90.09	0.665	0.296	0.342	0.199	0.222
1x800	59.6	10166	0.0221	0.0325	850	945	1120	1440	114.40	0.750	0.289	0.335	0.184	0.207
1x1000	69.7	12552	0.0176	0.0235	1050	1155	1470	1815	143.00	0.929	0.274	0.320	0.166	0.189

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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
1x16	24.6	818	1.910	2.450	80	90	85	95	1.47	0.177	0.460	0.506	3.171	3.194
1x25	25.9	901	1.200	1.539	100	105	105	105	2.30	0.200	0.435	0.481	2.065	2.088
1x35	26.9	979	0.868	1.113	125	125	130	150	3.22	0.219	0.418	0.464	1.546	1.569
1x50	28.1	1072	0.641	0.822	150	150	160	185	4.60	0.244	0.400	0.446	1.187	1.210
1x70	30.0	1223	0.443	0.569	180	185	195	230	6.44	0.279	0.380	0.426	0.874	0.897
1x95	32.0	1389	0.320	0.411	210	220	235	290	8.74	0.311	0.364	0.410	0.676	0.699
1x120	34.0	1593	0.253	0.325	245	255	275	335	11.04	0.338	0.358	0.404	0.570	0.593
1x150	36.0	1800	0.206	0.265	270	280	315	375	13.80	0.359	0.353	0.399	0.495	0.518
1x185	37.6	1967	0.1640	0.2110	310	315	360	430	17.02	0.395	0.341	0.387	0.425	0.448
1x240	40.3	2275	0.1250	0.1620	360	365	425	520	22.08	0.442	0.329	0.375	0.360	0.383
1x300	43.0	2587	0.1000	0.1300	400	410	480	590	27.60	0.486	0.320	0.366	0.317	0.340
1x400	47.0	3129	0.0778	0.1000	455	465	570	675	36.80	0.537	0.315	0.361	0.278	0.301
1x500	51.6	3727	0.0605	0.0800	520	530	665	805	46.00	0.608	0.305	0.351	0.249	0.272
1x630	55.4	4357	0.0469	0.0621	595	600	775	895	57.96	0.674	0.296	0.342	0.223	0.246
1x800	59.6	5146	0.0367	0.0495	680	760	920	1145	73.60	0.750	0.289	0.335	0.205	0.228
1x1000	69.7	6370	0.0291	0.0376	835	905	1160	1415	92.00	0.929	0.274	0.320	0.183	0.206