

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

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	32.3	1456	0.387	0.494	195	205	210	255	7.15	0.133	0.425	0.471	0.806	0.829
1x70	34.1	1755	0.268	0.342	240	250	265	320	10.01	0.147	0.404	0.450	0.613	0.636
1x95	36.0	2056	0.193	0.247	285	300	320	385	13.59	0.163	0.386	0.432	0.490	0.513
1x120	37.3	2336	0.153	0.196	325	340	365	440	17.16	0.173	0.376	0.422	0.424	0.447
1x150	38.7	2669	0.124	0.159	365	375	415	500	21.45	0.184	0.366	0.412	0.375	0.398
1x185	40.5	3051	0.0991	0.1275	410	425	475	575	26.46	0.198	0.355	0.401	0.331	0.355
1x240	43.2	3712	0.0754	0.0975	475	485	565	670	34.32	0.218	0.341	0.387	0.288	0.312
1x300	45.9	4371	0.0601	0.0800	535	545	650	765	42.90	0.239	0.330	0.376	0.262	0.285
1x400	48.5	5306	0.0470	0.0630	600	590	745	850	57.20	0.259	0.320	0.366	0.236	0.260
1x500	52.8	6534	0.0366	0.0520	675	655	860	975	71.50	0.292	0.308	0.354	0.217	0.240
1x630	56.0	7884	0.0283	0.0415	750	725	980	1100	90.09	0.316	0.300	0.346	0.200	0.224
1x800	60.9	9416	0.0221	0.0325	870	975	1150	1480	114.40	0.352	0.290	0.336	0.185	0.208
1x1000	71.0	12006	0.0176	0.0235	1080	1190	1510	1860	143.00	0.429	0.275	0.321	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
1x50	32.3	1170	0.641	0.822	155	160	165	195	4.60	0.133	0.425	0.471	0.983	1.223
1x70	34.2	1322	0.443	0.569	190	195	205	240	6.44	0.148	0.403	0.449	0.734	0.908
1x95	36.0	1482	0.320	0.411	220	230	245	300	8.74	0.163	0.386	0.432	0.578	0.710
1x120	37.5	1624	0.253	0.325	255	265	285	345	11.04	0.174	0.374	0.420	0.492	0.601
1x150	38.7	1764	0.206	0.265	280	290	325	395	13.80	0.184	0.366	0.412	0.431	0.525
1x185	40.7	1962	0.1640	0.2110	320	330	370	450	17.02	0.199	0.354	0.400	0.375	0.454
1x240	43.4	2251	0.1250	0.1620	370	380	440	540	22.08	0.220	0.340	0.386	0.321	0.388
1x300	45.9	2542	0.1000	0.1300	420	430	500	610	27.60	0.239	0.330	0.376	0.286	0.345
1x400	48.8	2944	0.0778	0.1000	475	485	590	700	36.80	0.261	0.320	0.366	0.254	0.304
1x500	52.8	3443	0.0605	0.0800	540	550	690	830	46.00	0.292	0.308	0.354	0.227	0.274
1x630	56.6	4038	0.0469	0.0621	615	620	800	920	57.96	0.320	0.299	0.345	0.206	0.248
1x800	60.9	4668	0.0367	0.0495	710	785	950	1180	73.60	0.352	0.290	0.336	0.190	0.228
1x1000	71.0	5824	0.0291	0.0376	860	935	1200	1460	92.00	0.429	0.275	0.321	0.173	0.206