

U₀/U(U_m)=12/20(24)KV-SINGLE-CORE CABLE-NON ARMoured

COPPER CONDUCTORS/ 5.5 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 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
1x35	25.5	995	0.524	0.668	165	180	175	210	5.01	0.155	0.406	0.452	1.006	1.029
1x50	26.9	1158	0.387	0.494	195	205	210	255	7.15	0.171	0.388	0.434	0.788	0.811
1x70	28.8	1442	0.268	0.342	240	250	265	320	10.01	0.192	0.370	0.416	0.596	0.619
1x95	30.7	1726	0.193	0.247	285	300	320	385	13.59	0.213	0.354	0.400	0.474	0.497
1x120	32.0	1996	0.153	0.196	325	340	365	440	17.16	0.228	0.345	0.391	0.409	0.432
1x150	33.4	2317	0.124	0.159	365	375	415	500	21.45	0.243	0.336	0.382	0.360	0.383
1x185	35.2	2684	0.0991	0.1275	410	425	475	575	26.46	0.263	0.327	0.373	0.317	0.340
1x240	37.8	3323	0.0754	0.0975	475	485	565	670	34.32	0.293	0.315	0.361	0.275	0.298
1x300	40.5	3959	0.0601	0.0800	535	545	650	765	42.90	0.322	0.305	0.351	0.249	0.272
1x400	43.2	4872	0.0470	0.0630	600	590	745	850	57.20	0.352	0.297	0.343	0.225	0.248
1x500	47.5	6064	0.0366	0.0520	675	655	860	975	71.50	0.399	0.286	0.332	0.206	0.229
1x630	50.7	7386	0.0283	0.0415	750	725	980	1100	90.09	0.434	0.280	0.326	0.190	0.213
1x800	55.5	8878	0.0221	0.0325	870	975	1150	1480	114.40	0.486	0.272	0.318	0.175	0.199
1x1000	65.7	11382	0.0176	0.0235	1080	1190	1510	1860	143.00	0.597	0.259	0.305	0.158	0.182

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			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
1x35	25.5	782	0.868	1.113	130	135	135	155	3.22	0.155	0.406	0.452	1.246	1.563
1x50	26.9	872	0.641	0.822	155	160	165	195	4.60	0.171	0.388	0.434	0.964	1.205
1x70	28.9	1008	0.443	0.569	190	195	205	240	6.44	0.193	0.369	0.415	0.717	0.891
1x95	30.7	1152	0.320	0.411	220	230	245	300	8.74	0.213	0.354	0.400	0.562	0.694
1x120	32.2	1282	0.253	0.325	255	265	285	345	11.04	0.230	0.344	0.390	0.476	0.586
1x150	33.4	1412	0.206	0.265	280	290	325	395	13.80	0.243	0.336	0.382	0.416	0.510
1x185	35.4	1593	0.1640	0.2110	320	330	370	450	17.02	0.266	0.326	0.372	0.360	0.440
1x240	38.1	1859	0.1250	0.1620	370	380	440	540	22.08	0.295	0.314	0.360	0.308	0.375
1x300	40.5	2130	0.1000	0.1300	420	430	500	610	27.60	0.322	0.305	0.351	0.273	0.332
1x400	43.4	2507	0.0778	0.1000	475	485	590	700	36.80	0.354	0.296	0.342	0.242	0.292
1x500	47.5	2973	0.0605	0.0800	540	550	690	830	46.00	0.399	0.286	0.332	0.216	0.263
1x630	51.2	3536	0.0469	0.0621	615	620	800	920	57.96	0.439	0.279	0.325	0.196	0.238
1x800	55.5	4130	0.0367	0.0495	710	785	950	1180	73.60	0.486	0.272	0.318	0.181	0.219
1x1000	65.7	5200	0.0291	0.0376	860	935	1200	1460	92.00	0.597	0.259	0.305	0.165	0.198