

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

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 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	μf/km	mh/km	mh/km	V/A/km	V/A/km
1x25	22.3	769	0.727	0.927	140	145	145	170	3.58	0.164	0.404	0.450	1.315	1.338
1x35	23.4	893	0.524	0.668	165	180	175	210	5.01	0.178	0.388	0.434	0.997	1.020
1x50	24.8	1052	0.387	0.494	195	205	210	255	7.15	0.198	0.372	0.418	0.780	0.803
1x70	26.6	1329	0.268	0.342	240	250	265	320	10.01	0.222	0.354	0.400	0.588	0.612
1x95	28.5	1607	0.193	0.247	285	300	320	385	13.59	0.249	0.339	0.385	0.467	0.490
1x120	29.8	1873	0.153	0.196	325	340	365	440	17.16	0.266	0.331	0.377	0.402	0.425
1x150	31.2	2189	0.124	0.159	365	375	415	500	21.45	0.285	0.323	0.369	0.353	0.376
1x185	33.0	2549	0.0991	0.1275	410	425	475	575	26.46	0.309	0.314	0.360	0.311	0.334
1x240	35.7	3180	0.0754	0.0975	475	485	565	670	34.32	0.345	0.303	0.349	0.269	0.292
1x300	38.4	3807	0.0601	0.0800	535	545	650	765	42.90	0.381	0.294	0.340	0.244	0.267
1x400	41.1	4710	0.0470	0.0630	600	590	745	850	57.20	0.417	0.287	0.333	0.220	0.243
1x500	45.3	5888	0.0366	0.0520	675	655	860	975	71.50	0.474	0.277	0.323	0.202	0.225
1x630	48.5	7242	0.0283	0.0415	750	725	980	1100	90.09	0.517	0.271	0.317	0.186	0.209
1x800	53.4	8675	0.0221	0.0325	870	975	1150	1480	114.40	0.581	0.264	0.310	0.172	0.195
1x1000	63.5	11145	0.0176	0.0235	1080	1190	1510	1860	143.00	0.716	0.253	0.299	0.155	0.178

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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	µf/km	mh/km	mh/km	V/A/km	V/A/km
1x25	22.3	617	1.200	1.539	105	110	110	120	2.30	0.164	0.404	0.450	1.643	2.073
1x35	23.4	680	0.868	1.113	130	135	135	155	3.22	0.178	0.388	0.434	1.237	1.554
1x50	24.8	766	0.641	0.822	155	160	165	195	4.60	0.198	0.372	0.418	0.956	1.196
1x70	26.7	895	0.443	0.569	190	195	205	240	6.44	0.224	0.353	0.399	0.709	0.883
1x95	28.5	1033	0.320	0.411	220	230	245	300	8.74	0.249	0.339	0.385	0.555	0.687
1x120	30.0	1158	0.253	0.325	255	265	285	345	11.04	0.269	0.330	0.376	0.469	0.579
1x150	31.2	1284	0.206	0.265	280	290	325	395	13.80	0.285	0.323	0.369	0.410	0.503
1x185	33.2	1458	0.1640	0.2110	320	330	370	450	17.02	0.312	0.313	0.359	0.354	0.434
1x240	35.9	1715	0.1250	0.1620	370	380	440	540	22.08	0.348	0.302	0.348	0.302	0.369
1x300	38.4	1978	0.1000	0.1300	420	430	500	610	27.60	0.381	0.294	0.340	0.268	0.327
1x400	41.3	2345	0.0778	0.1000	475	485	590	700	36.80	0.420	0.286	0.332	0.237	0.287
1x500	45.3	2797	0.0605	0.0800	540	550	690	830	46.00	0.474	0.277	0.323	0.212	0.258
1x630	49.1	3347	0.0469	0.0621	615	620	800	920	57.96	0.524	0.270	0.316	0.192	0.233
1x800	53.4	3927	0.0367	0.0495	710	785	950	1180	73.60	0.581	0.264	0.310	0.177	0.215
1x1000	63.5	4963	0.0291	0.0376	860	935	1200	1460	92.00	0.716	0.253	0.299	0.162	0.195