

U₀/U_(Um)=6/10(12)KV-SINGLE-CORE CABLE - NON ARMoured

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. 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
1x16	18.7	547	1.150	1.470	115	120	120	130	2.29	0.177	0.403	0.449	1.966	1.989
1x25	20.0	669	0.727	0.927	140	145	145	170	3.58	0.200	0.382	0.428	1.304	1.327
1x35	21.0	790	0.524	0.668	165	180	175	210	5.01	0.219	0.367	0.413	0.986	1.009
1x50	22.4	943	0.387	0.494	195	205	210	255	7.15	0.244	0.352	0.398	0.770	0.793
1x70	24.3	1213	0.268	0.342	240	250	265	320	10.01	0.277	0.336	0.382	0.579	0.602
1x95	26.2	1484	0.193	0.247	285	300	320	385	13.59	0.311	0.322	0.368	0.458	0.481
1x120	27.5	1745	0.153	0.196	325	340	365	440	17.16	0.334	0.315	0.361	0.393	0.416
1x150	28.9	2056	0.124	0.159	365	375	415	500	21.45	0.359	0.308	0.354	0.345	0.368
1x185	30.7	2410	0.0991	0.1275	410	425	475	575	26.46	0.391	0.299	0.345	0.303	0.327
1x240	33.4	3030	0.0754	0.0975	475	485	565	670	34.32	0.438	0.290	0.336	0.263	0.286
1x300	36.0	3648	0.0601	0.0800	535	545	650	765	42.90	0.486	0.282	0.328	0.237	0.261
1x400	38.7	4541	0.0470	0.0630	600	590	745	850	57.20	0.537	0.274	0.321	0.214	0.237
1x500	43.0	5703	0.0366	0.0520	675	655	860	975	71.50	0.608	0.266	0.312	0.196	0.219
1x630	46.2	7040	0.0283	0.0415	750	725	980	1100	90.09	0.665	0.261	0.307	0.181	0.204
1x800	51.0	8461	0.0221	0.0325	870	975	1150	1480	114.40	0.750	0.255	0.301	0.167	0.190
1x1000	61.7	10893	0.0176	0.0235	1080	1190	1510	1860	143.00	0.929	0.245	0.291	0.151	0.174

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