

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

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		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
1x35	31.6	1474	0.524	0.668	160	170	170	200	5.01	0.155	0.449	0.495	1.027	1.050
1x50	33.9	1741	0.387	0.494	185	195	195	245	7.15	0.171	0.434	0.480	0.811	0.834
1x70	36.2	2109	0.268	0.342	230	235	250	305	10.01	0.193	0.414	0.460	0.619	0.642
1x95	38.1	2428	0.193	0.247	275	285	305	370	13.59	0.213	0.397	0.443	0.496	0.519
1x120	39.6	2739	0.153	0.196	315	325	345	420	17.16	0.230	0.385	0.431	0.429	0.452
1x150	40.7	3076	0.124	0.159	350	355	400	480	21.45	0.243	0.376	0.422	0.380	0.403
1x185	43.1	3521	0.0991	0.1275	395	405	455	555	26.46	0.266	0.365	0.411	0.336	0.360
1x240	46.8	4358	0.0754	0.0975	460	465	540	645	34.32	0.295	0.355	0.401	0.296	0.319
1x300	49.7	5105	0.0601	0.0800	520	525	630	740	42.90	0.322	0.346	0.392	0.270	0.293
1x400	52.6	6103	0.0470	0.0630	580	570	720	825	57.20	0.354	0.335	0.381	0.244	0.267
1x500	56.7	7394	0.0366	0.0520	660	640	835	940	71.50	0.399	0.322	0.368	0.224	0.247
1x630	60.9	8911	0.0283	0.0415	730	700	950	1060	90.09	0.439	0.313	0.359	0.207	0.230
1x800	65.1	10496	0.0221	0.0325	850	945	1120	1440	114.40	0.486	0.304	0.350	0.192	0.215
1x1000	76.7	13589	0.0176	0.0235	1050	1155	1470	1815	143.00	0.597	0.290	0.336	0.174	0.197

U₀/U(U_m)=12/20(24)KV-SINGLE-CORE CABLE- ARMOURED (AWA)

ALUMINIUM 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	31.6	1261	0.868	1.113	125	125	130	150	3.22	0.155	0.449	0.495	1.561	1.584
1x50	33.9	1455	0.641	0.822	150	150	160	185	4.60	0.171	0.434	0.480	1.205	1.228
1x70	36.2	1671	0.443	0.569	180	185	195	230	6.44	0.193	0.414	0.460	0.891	0.914
1x95	38.1	1854	0.320	0.411	210	220	235	290	8.74	0.213	0.397	0.443	0.693	0.716
1x120	39.6	2016	0.253	0.325	245	255	275	335	11.04	0.230	0.385	0.431	0.583	0.606
1x150	40.7	2171	0.206	0.265	270	280	315	375	13.80	0.243	0.376	0.422	0.507	0.530
1x185	43.1	2421	0.1640	0.2110	310	315	360	430	17.02	0.266	0.365	0.411	0.437	0.460
1x240	46.8	2885	0.1250	0.1620	360	365	425	520	22.08	0.295	0.355	0.401	0.373	0.396
1x300	49.7	3276	0.1000	0.1300	400	410	480	590	27.60	0.322	0.346	0.392	0.330	0.353
1x400	52.6	3729	0.0778	0.1000	455	465	570	675	36.80	0.354	0.335	0.381	0.288	0.311
1x500	56.7	4303	0.0605	0.0800	520	530	665	805	46.00	0.399	0.322	0.368	0.258	0.281
1x630	60.9	5035	0.0469	0.0621	595	600	775	895	57.96	0.439	0.313	0.359	0.232	0.255
1x800	65.1	5748	0.0367	0.0495	680	760	920	1145	73.60	0.486	0.304	0.350	0.212	0.235
1x1000	76.7	7407	0.0291	0.0376	835	905	1160	1415	92.00	0.597	0.290	0.336	0.191	0.214