Uo/U(Um)=12/20(24)KV-SINGLE-CORE CABLE- ARMOURED (ATA)

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	Ground at 35°C flat	Air at 40°C trefoil	Air at 40°C flat			trefoil	flat	trefoil	flat
mm²	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
1×35	29.8	1315	0.524	0.668	160	175	170	205	5.01	0.155	0.437	0.483	1.021	1.044
1×50	31.2	1495	0.387	0.494	190	200	205	315	7.15	0.171	0.418	0.464	0.803	0.826
1×70	33.6	1843	0.268	0.342	235	245	260	315	10.01	0.193	0.399	0.445	0.611	0.634
1×95	35.4	2146	0.193	0.247	280	295	315	380	13.59	0.213	0.382	0.428	0.489	0.512
1×120	36.9	2444	0.153	0.196	320	335	355	430	17.16	0.230	0.371	0.417	0.422	0.445
1×150	38.1	2771	0.124	0.159	360	365	410	405	21.45	0.243	0.363	0.409	0.373	0.396
1×185	40.1	3173	0.0991	0.1275	400	415	465	565	26.46	0.266	0.351	0.397	0.329	0.352
1×240	42.8	3847	0.0754	0.0975	465	475	555	660	34.32	0.295	0.337	0.383	0.286	0.310
1×300	45.7	4558	0.0601	0.0800	525	535	640	750	42.90	0.322	0.329	0.375	0.261	0.284
1×400	48.5	5520	0.0470	0.0630	590	580	730	835	57.20	0.354	0.319	0.365	0.236	0.259
1×500	52.6	6759	0.0366	0.0520	665	645	845	955	71.50	0.399	0.307	0.353	0.217	0.240
1×630	56.8	8224	0.0283	0.0415	735	710	960	1080	90.09	0.439	0.299	0.345	0.200	0.223
1x800	61.1	9750	0.0221	0.0325	855	955	1130	1455	114.40	0.486	0.291	0.337	0.185	0.208
1x1000	71.2	12414	0.0176	0.0235	1060	1165	1480	1825	143.00	0.597	0.275	0.321	0.167	0.190

Uo/U(Um)=12/20(24)KV-SINGLE-CORE CABLE- ARMOURED (ATA)

ALUMINUIM 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	Ground at 35°C flat	Air at 40°C trefoil	Air at 40°C flat			trefoil	flat	trefoil	flat
mm²	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
1×35	29.8	1102	0.868	1.113	130	130	130	155	3.22	0.155	0.437	0.483	1.555	1.578
1×50	31.2	1209	0.641	0.822	155	155	165	190	4.60	0.171	0.418	0.464	1.196	1.219
1×70	33.6	1405	0.443	0.569	185	190	200	235	6.44	0.193	0.399	0.445	0.883	0.906
1×95	35.4	1572	0.320	0.411	215	225	240	295	8.74	0.213	0.382	0.428	0.685	0.708
1×120	36.9	1721	0.253	0.325	250	260	280	340	11.04	0.230	0.371	0.417	0.576	0.599
1×150	38.1	1866	0.206	0.265	275	285	320	385	13.80	0.243	0.363	0.409	0.500	0.523
1×185	40.1	2073	0.1640	0.2110	315	325	365	440	17.02	0.266	0.351	0.397	0.429	0.453
1×240	42.8	2374	0.1250	0.1620	365	375	430	530	22.08	0.295	0.337	0.383	0.364	0.387
1×300	45.7	2729	0.1000	0.1300	410	420	490	600	27.60	0.322	0.329	0.375	0.321	0.344
1×400	48.5	3146	0.0778	0.1000	465	475	580	685	36.80	0.354	0.319	0.365	0.280	0.303
1×500	52.6	3668	0.0605	0.0800	530	540	675	815	46.00	0.399	0.307	0.353	0.250	0.273
1×630	56.8	4348	0.0469	0.0621	605	610	785	905	57.96	0.439	0.299	0.345	0.225	0.248
1x800	61.1	5008	0.0367	0.0495	695	770	930	1155	73.60	0.486	0.291	0.337	0.205	0.229
1x1000	71.2	6232	0.0291	0.0376	845	915	1175	1430	92.00	0.597	0.275	0.321	0.183	0.207