

U₀/U(U_m)=12/20(24)KV-THREE-CORE CABLE- ARMoured (STA)

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 Direct laid	Air at 40°C free				
mm ²	mm	kg/km	Ω/KM	Ω/KM	Amp	Amp	ka/km	μf/km	mh/km	V/A/km
3X35	57.9	4371	0.524	0.668	160	170	5.01	0.155	0.373	0.857
3X50	60.9	4935	0.387	0.494	190	200	7.15	0.171	0.357	0.669
3X70	65.0	5945	0.268	0.342	235	245	10.01	0.193	0.339	0.503
3X95	69.0	6931	0.193	0.247	280	290	13.59	0.213	0.325	0.398
3X120	72.6	7978	0.153	0.196	310	350	17.16	0.230	0.315	0.341
3X150	75.2	9165	0.124	0.159	345	390	21.45	0.243	0.309	0.299
3X185	80.9	11166	0.0991	0.1275	390	430	26.46	0.266	0.299	0.262
3X240	86.6	13344	0.0754	0.0975	440	510	34.32	0.295	0.288	0.227
3X300	91.9	15474	0.0601	0.0800	495	570	42.90	0.322	0.280	0.205
3X400	98.6	18968	0.0470	0.0630	540	640	57.20	0.354	0.272	0.184

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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 Direct laid	Air at 40°C free			trefoil	trefoil
mm ²	mm	kg/km	Ω/KM	Ω/KM	Amp	Amp	ka/km	μf/km	mh/km	V/A/km
3X35	57.9	3725	0.868	1.113	125	130	3.22	0.155	0.373	1.319
3X50	60.9	4068	0.641	0.822	140	155	4.60	0.171	0.357	1.009
3X70	65.0	4618	0.443	0.569	180	195	6.44	0.193	0.339	0.739
3X95	69.0	5191	0.320	0.411	210	235	8.74	0.213	0.325	0.568
3X120	72.6	5787	0.253	0.325	240	265	11.04	0.230	0.315	0.475
3X150	75.2	6423	0.206	0.265	260	290	13.80	0.243	0.309	0.410
3X185	80.9	7833	0.1640	0.2110	300	345	17.02	0.266	0.299	0.349
3X240	86.6	8880	0.1250	0.1620	350	410	22.08	0.295	0.288	0.294
3X300	91.9	9932	0.1000	0.1300	390	460	27.60	0.322	0.280	0.257
3X400	98.6	11775	0.0778	0.1000	430	515	36.80	0.354	0.272	0.222