

U₀/U(U_m)=18/30(36)KV-THREE-CORE CABLE- ARMoured (SWA)

COPPER CONDUCTORS/ 8 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
3X50	77.8	9430	0.387	0.494	190	200	7.15	0.133	0.396	0.686
3X70	81.9	10696	0.268	0.342	230	240	10.01	0.148	0.375	0.519
3X95	86.1	12002	0.193	0.247	275	285	13.59	0.163	0.359	0.413
3X120	89.3	13164	0.153	0.196	305	345	17.16	0.174	0.348	0.355
3X150	91.8	14391	0.124	0.159	340	385	21.45	0.184	0.340	0.313
3X185	96.2	15937	0.0991	0.1275	380	420	26.46	0.199	0.329	0.275
3X240	102.4	18595	0.0754	0.0975	430	500	34.32	0.220	0.316	0.239
3X300	107.7	20995	0.0601	0.0800	485	550	42.90	0.239	0.306	0.216
3X400	114.0	24772	0.0470	0.0630	525	620	57.20	0.261	0.296	0.194

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			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	
3X50	77.8	8564	0.641	0.822	135	150	4.60	0.133	0.396	1.027	
3X70	81.9	9369	0.443	0.569	175	185	6.44	0.148	0.375	0.755	
3X95	86.1	10263	0.320	0.411	205	225	8.74	0.163	0.359	0.583	
3X120	89.3	10973	0.253	0.325	230	255	11.04	0.174	0.348	0.489	
3X150	91.8	11649	0.206	0.265	255	285	13.80	0.184	0.340	0.423	
3X185	96.2	12604	0.1640	0.2110	290	330	17.02	0.199	0.329	0.362	
3X240	102.4	14132	0.1250	0.1620	330	390	22.08	0.220	0.316	0.306	
3X300	107.7	15453	0.1000	0.1300	370	440	27.60	0.239	0.306	0.268	
3X400	114.0	17579	0.0778	0.1000	415	505	36.80	0.261	0.296	0.233	