

U₀/U_m=8.7/15(17.5)KV-THREE-CORE CABLE- ARMoured (SWA)

COPPER CONDUCTORS/ 4.5 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	μ f/km	mh/km	V/A/km
3X25	54.0	4998	0.727	0.927	125	130	3.58	0.164	0.368	1.124
3X35	56.3	5488	0.524	0.668	155	165	5.01	0.178	0.354	0.848
3X50	59.8	6213	0.387	0.494	190	200	7.15	0.198	0.339	0.661
3X70	63.9	7291	0.268	0.342	230	240	10.01	0.224	0.322	0.495
3X95	67.9	8380	0.193	0.247	275	285	13.59	0.249	0.309	0.391
3X120	71.1	9425	0.153	0.196	305	345	17.16	0.269	0.300	0.334
3X150	75.0	11523	0.124	0.159	340	385	21.45	0.285	0.294	0.293
3X185	79.8	13077	0.0991	0.1275	380	420	26.46	0.312	0.285	0.257
3X240	85.8	15479	0.0754	0.0975	430	500	34.32	0.348	0.276	0.221
3X300	91.1	17777	0.0601	0.0800	485	550	42.90	0.381	0.268	0.200
3X400	97.4	21312	0.0470	0.0630	525	620	57.20	0.420	0.261	0.179

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mm ²	mm	kg/km	Ω /KM	Ω /KM	Amp	Amp	ka/km	μ f/km	mh/km	V/A/km
3X25	54.0	4538	1.200	1.539	105	110	2.30	0.164	0.368	1.760
3X35	56.3	4843	0.868	1.113	120	125	3.22	0.178	0.354	1.311
3X50	59.8	5347	0.641	0.822	135	150	4.60	0.198	0.339	1.002
3X70	63.9	5964	0.443	0.569	175	185	6.44	0.224	0.322	0.731
3X95	67.9	6641	0.320	0.411	205	225	8.74	0.249	0.309	0.562
3X120	71.1	7235	0.253	0.325	230	255	11.04	0.269	0.300	0.468
3X150	75.0	8781	0.206	0.265	255	285	13.80	0.285	0.294	0.403
3X185	79.8	9744	0.1640	0.2110	290	330	17.02	0.312	0.285	0.343
3X240	85.8	11016	0.1250	0.1620	330	390	22.08	0.348	0.276	0.288
3X300	91.1	12235	0.1000	0.1300	370	440	27.60	0.381	0.268	0.252
3X400	97.4	14119	0.0778	0.1000	415	505	36.80	0.420	0.261	0.218