

U_o/U(U_m)=6/10(12)KV-THREE-CORE CABLE- ARMoured (STA)

COPPER CONDUCTORS/ 3.4mm 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
3X16	42.2	2551	1.150	1.470	100	105	2.29	0.177	0.363	1.685
3X25	45.4	3058	0.727	0.927	130	135	3.58	0.200	0.343	1.113
3X35	47.7	3493	0.524	0.668	160	170	5.01	0.219	0.330	0.838
3X50	50.7	4010	0.387	0.494	190	200	7.15	0.244	0.317	0.651
3X70	54.9	4917	0.268	0.342	235	245	10.01	0.279	0.301	0.487
3X95	59.3	5882	0.193	0.247	280	290	13.59	0.311	0.290	0.383
3X120	62.5	6787	0.153	0.196	310	350	17.16	0.338	0.283	0.327
3X150	65.0	7972	0.124	0.159	345	390	21.45	0.359	0.277	0.286
3X185	69.4	9234	0.0991	0.1275	390	430	26.46	0.395	0.269	0.250
3X240	75.6	11348	0.0754	0.0975	440	510	34.32	0.442	0.261	0.215
3X300	82.2	14126	0.0601	0.0800	495	570	42.90	0.486	0.255	0.194
3X400	88.5	17329	0.0470	0.0630	540	640	57.20	0.537	0.249	0.174

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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
3X16	42.2	2260	1.910	2.450	80	80	1.47	0.177	0.363	2.704
3X25	45.4	2598	1.200	1.539	105	110	2.30	0.200	0.343	1.749
3X35	47.7	2848	0.868	1.113	125	130	3.22	0.219	0.330	1.300
3X50	50.7	3144	0.641	0.822	140	155	4.60	0.244	0.317	0.992
3X70	54.9	3590	0.443	0.569	180	195	6.44	0.279	0.301	0.722
3X95	59.3	4143	0.320	0.411	210	235	8.74	0.311	0.290	0.553
3X120	62.5	4597	0.2530	0.3250	240	265	11.04	0.338	0.283	0.461
3X150	65.0	5230	0.2060	0.2650	260	290	13.80	0.359	0.277	0.396
3X185	69.4	5901	0.1640	0.2110	300	345	17.02	0.395	0.269	0.337
3X240	75.6	6885	0.125	0.162	350	410	22.08	0.442	0.261	0.282
3X300	82.2	8584	0.100	0.130	390	460	27.60	0.486	0.255	0.246
3X400	88.5	10136	0.078	0.100	430	515	36.80	0.537	0.249	0.212