

U₀/U(U_m)=6/10(12)KV-THREE-CORE CABLE- UNARMOURED)

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	37.5	1655	1.150	1.470	105	110	2.29	0.177	0.363	1.685
3X25	40.3	2043	0.727	0.927	135	140	3.58	0.200	0.343	1.113
3X35	42.6	2423	0.524	0.668	160	160	5.01	0.219	0.330	0.838
3X50	45.6	2868	0.387	0.494	190	200	7.15	0.244	0.317	0.651
3X70	49.8	3676	0.268	0.342	230	250	10.01	0.279	0.301	0.487
3X95	53.7	4476	0.193	0.247	285	300	13.59	0.311	0.290	0.383
3X120	56.9	5300	0.153	0.196	325	355	17.16	0.338	0.283	0.327
3X150	59.5	6421	0.124	0.159	350	400	21.45	0.359	0.277	0.286
3X185	63.9	7573	0.0991	0.1275	400	450	26.46	0.395	0.269	0.250
3X240	69.6	9452	0.0754	0.0975	450	540	34.32	0.442	0.261	0.215
3X300	75.0	11327	0.0601	0.0800	500	600	42.90	0.486	0.255	0.194
3X400	81.2	14308	0.0470	0.0630	550	690	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				
mm ²	mm	kg/km	Ω/KM	Ω/KM	Amp	Amp	ka/km	µf/km	mh/km	V/A/km
3X16	37.5	1364	1.910	2.450	80	80	1.47	0.177	0.363	2.704
3X25	40.3	1581	1.200	1.539	105	110	2.30	0.200	0.343	1.749
3X35	42.6	1778	0.868	1.113	130	130	3.22	0.219	0.330	1.300
3X50	45.6	1999	0.641	0.822	155	160	4.60	0.244	0.317	0.992
3X70	49.8	2349	0.443	0.569	190	200	6.44	0.279	0.301	0.722
3X95	53.7	2733	0.320	0.411	215	240	8.74	0.311	0.290	0.553
3X120	56.9	3109	0.253	0.325	250	275	11.04	0.338	0.283	0.461
3X150	59.5	3675	0.206	0.265	265	300	13.80	0.359	0.277	0.396
3X185	63.9	4240	0.1640	0.2110	320	360	17.02	0.395	0.269	0.337
3X240	69.6	4984	0.1250	0.1620	370	430	22.08	0.442	0.261	0.282
3X300	75.0	5786	0.1000	0.1300	420	490	27.60	0.486	0.255	0.246
3X400	81.2	7109	0.0778	0.1000	470	550	36.80	0.537	0.249	0.212