

U_o/U(U_m)=8.7/15(17.5)KV-THREE-CORE CABLE- UNARMoured

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				
mm ²	mm	kg/km	Ω/KM	Ω/KM	Amp	Amp	ka/km	μf/km	mh/km	V/A/km
3X25	45.4	2338	0.727	0.927	135	140	3.58	0.164	0.368	1.124
3X35	47.7	2698	0.524	0.668	160	160	5.01	0.178	0.354	0.848
3X50	50.7	3171	0.387	0.494	190	200	7.15	0.198	0.339	0.661
3X70	54.9	4010	0.268	0.342	230	250	10.01	0.224	0.322	0.495
3X95	58.8	4872	0.193	0.247	285	300	13.59	0.249	0.309	0.391
3X120	62.0	5731	0.153	0.196	325	355	17.16	0.269	0.300	0.334
3X150	64.6	6864	0.124	0.159	350	400	21.45	0.285	0.294	0.293
3X185	69.0	8002	0.0991	0.1275	400	450	26.46	0.312	0.285	0.257
3X240	74.7	9914	0.0754	0.0975	450	540	34.32	0.348	0.276	0.221
3X300	80.0	11830	0.0601	0.0800	500	600	42.90	0.381	0.268	0.200
3X400	86.3	14916	0.0470	0.0630	550	690	57.20	0.420	0.261	0.179

U₀/U(U_m)=8.7/15(17.5)KV-THREE-CORE CABLE- UNARMoured

ALUMINIUM 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				
mm ²	mm	kg/km	Ω/KM	Ω/KM	Amp	Amp	ka/km	µf/km	mh/km	V/A/km
3X25	45.4	1878	1.200	1.539	105	110	2.30	0.164	0.368	1.760
3X35	47.7	2052	0.868	1.113	130	130	3.22	0.178	0.354	1.311
3X50	50.7	2305	0.641	0.822	155	160	4.60	0.198	0.339	1.002
3X70	54.9	2683	0.443	0.569	190	200	6.44	0.224	0.322	0.731
3X95	58.8	3133	0.320	0.411	215	240	8.74	0.249	0.309	0.562
3X120	62.0	3540	0.253	0.325	250	275	11.04	0.269	0.300	0.468
3X150	64.6	4122	0.206	0.265	265	300	13.80	0.285	0.294	0.403
3X185	69.0	4669	0.1640	0.2110	320	360	17.02	0.312	0.285	0.343
3X240	74.7	5451	0.1250	0.1620	370	430	22.08	0.348	0.276	0.288
3X300	80.0	6288	0.1000	0.1300	420	490	27.60	0.381	0.268	0.252
3X400	86.3	7723	0.0778	0.1000	470	550	36.80	0.420	0.261	0.218