Uo/U(Um)=12/20(24)KV-THREE-CORE CABLE- UNARMOURED

COPPER CONDUCTORS/ 5.5 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
mm²	mm	kg/km	Ω/KM	Ω/KM	Amp	Amp	ka/km	µf/km	mh/km	V/A/km
3X35	52.3	2996	0.524	0.668	160	160	5.01	0.155	0.373	0.857
3X50	55.3	3485	0.387	0.494	190	200	7.15	0.171	0.357	0.669
3X70	59.5	4391	0.268	0.342	230	250	10.01	0.193	0.339	0.503
3X95	63.4	5277	0.193	0.247	285	300	13.59	0.213	0.325	0.398
3X120	66.6	6156	0.153	0.196	325	355	17.16	0.230	0.315	0.341
3X150	69.2	7276	0.124	0.159	350	400	21.45	0.243	0.309	0.299
3X185	73.6	8412	0.0991	0.1275	400	450	26.46	0.266	0.299	0.262
3X240	79.4	10382	0.0754	0.0975	450	540	34.32	0.295	0.288	0.227
3X300	84.7	12323	0.0601	0.0800	500	600	42.90	0.322	0.280	0.205
3X400	90.9	15474	0.0470	0.0630	550	690	57.20	0.354	0.272	0.184

Uo/U(Um)=12/20(24)KV-THREE-CORE CABLE- UNARMOURED

ALUMINUIM CONDUCTORS/ 5.5 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
mm²	mm	kg/km	Ω/KM	Ω/KM	Amp	Amp	ka/km	µf/km	mh/km	V/A/km
3X35	52.3	2351	0.868	1.113	130	130	3.22	0.155	0.373	1.319
3X50	55.3	2618	0.641	0.822	155	160	4.60	0.171	0.357	1.009
3X70	59.5	3064	0.443	0.569	190	200	6.44	0.193	0.339	0.739
3X95	63.4	3538	0.320	0.411	215	240	8.74	0.213	0.325	0.568
3X120	66.6	3965	0.253	0.325	250	275	11.04	0.230	0.315	0.475
3X150	69.2	4534	0.206	0.265	265	300	13.80	0.243	0.309	0.410
3X185	73.6	5079	0.1640	0.2110	320	360	17.02	0.266	0.299	0.349
3X240	79.4	5919	0.1250	0.1620	370	430	22.08	0.295	0.288	0.294
3X300	84.7	6781	0.1000	0.1300	420	490	27.60	0.322	0.280	0.257
3X400	90.9	8280	0.0778	0.1000	470	550	36.80	0.354	0.272	0.222