Uo/U(Um)=6/10(12)KV-THREE-CORE CABLE- ARMOURED (SWA)

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
mm²	mm	kg/km	Ω/KM	Ω/KM	Amp	Amp	ka/km	µf/km	mh/km	V/A/km
3X16	45.7	3805	1.150	1.470	100	100	2.29	0.177	0.363	1.685
3X25	48.9	4417	0.727	0.927	125	130	3.58	0.200	0.343	1.113
3X35	51.3	4927	0.524	0.668	155	165	5.01	0.219	0.330	0.838
3X50	54.3	5542	0.387	0.494	190	200	7.15	0.244	0.317	0.651
3X70	58.4	6585	0.268	0.342	230	240	10.01	0.279	0.301	0.487
3X95	62.8	7692	0.193	0.247	275	285	13.59	0.311	0.290	0.383
3X120	66.0	8702	0.153	0.196	305	345	17.16	0.338	0.283	0.327
3X150	68.6	9971	0.124	0.159	340	385	21.45	0.359	0.277	0.286
3X185	74.5	12254	0.0991	0.1275	380	420	26.46	0.395	0.269	0.250
3X240	80.7	14653	0.0754	0.0975	430	500	34.32	0.442	0.261	0.215
3X300	86.4	17030	0.0601	0.0800	485	550	42.90	0.486	0.255	0.194
3X400	92.6	20469	0.0470	0.0630	525	620	57.20	0.537	0.249	0.174

Uo/U(Um)=6/10(12)KV-THREE-CORE CABLE- ARMOURED (SWA)

ALUMINUIM 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
mm²	mm	kg/km	Ω/KM	Ω/KM	Amp	Amp	ka/km	µf/km	mh/km	V/A/km
3X16	45.7	3514	1.910	2.450	80	80	1.47	0.177	0.363	2.704
3X25	48.9	3953	1.200	1.539	105	110	2.30	0.200	0.343	1.749
3X35	51.3	4281	0.868	1.113	120	125	3.22	0.219	0.330	1.300
3X50	54.3	4672	0.641	0.822	135	150	4.60	0.244	0.317	0.992
3X70	58.4	5258	0.443	0.569	175	185	6.44	0.279	0.301	0.722
3X95	62.8	5948	0.320	0.411	205	225	8.74	0.311	0.290	0.553
3X120	66.0	6512	0.253	0.325	230	255	11.04	0.338	0.283	0.461
3X150	68.6	7223	0.206	0.265	255	285	13.80	0.359	0.277	0.396
3X185	74.5	8921	0.1640	0.2110	290	330	17.02	0.395	0.269	0.337
3X240	80.7	10183	0.1250	0.1620	330	390	22.08	0.442	0.261	0.282
3X300	86.4	11488	0.1000	0.1300	370	440	27.60	0.486	0.255	0.246
3X400	92.6	13268	0.0778	0.1000	415	505	36.80	0.537	0.249	0.212