Uo/U(Um)=76/132(145)KV-SINGLE-CORE CABLE

COPPER CONDUCTORS/19 mm XLPE INSULATION THICKNESS /LEAD screen /HDPE SHEATHED

Nominal cross-sectional area	Overall diameter Φ approx	Net weight approx	Max resistance		short circuit current of conductor for 1 sec.	charging current	Capacitance	Inductance		Voltage drop at 50 HZ cos.φ 0.8	
			DC at 20°C	AC at 90°C				trefoil	flat	trefoil	flat
mm²	mm	kg/km	Ω/KM	Ω/KM	ka/km	Amp/km	µf/km	mh/km	mh/km	V/A/km	V/A/km
240	74.3	10755	0.0754	0.0975	34.32	2.96	0.124	0.440	0.486	0.338	0.361
300	76.8	11671	0.0601	0.0800	42.90	3.20	0.134	0.424	0.470	0.309	0.332
400	79.3	12934	0.0470	0.0630	57.20	3.41	0.143	0.410	0.456	0.282	0.305
500	83.3	14503	0.0366	0.0520	71.50	3.75	0.157	0.392	0.438	0.259	0.282
630	86.8	16240	0.0283	0.0415	90.09	4.06	0.170	0.378	0.424	0.240	0.263
800	90.8	18464	0.0221	0.0325	114.40	4.39	0.184	0.365	0.411	0.222	0.245
1000	98.8	21722	0.0176	0.0235	143.00	5.06	0.212	0.343	0.389	0.200	0.224
1200	102.3	23741	0.0151	0.0200	171.60	5.35	0.224	0.335	0.381	0.192	0.215

Uo/U(Um)=76/132(145)KV-SINGLE-CORE CABLE

COPPER CONDUCTORS/19 mm XLPE INSULATION THICKNESS /CU screen /HDPE SHEATHED

Nominal cross-sectional area	Overall diameter Φ approx	Net weight approx	Max resistance		short circuit current of conductor for 1 sec.	charging current	Capacitance	Inductance		Voltage drop at 50 HZ cos.φ 0.8	
			DC at 20°C	AC at 90°C				trefoil	flat	trefoil	flat
mm²	mm	kg/km	Ω/KM	Ω/KM	ka/km	Amp/km	µf/km	mh/km	mh/km	V/A/km	V/A/km
240	72.9	6219	0.0754	0.0975	34.32	2.96	0.124	0.436	0.482	0.336	0.359
300	75.4	6928	0.0601	0.0800	42.90	3.20	0.134	0.421	0.467	0.307	0.330
400	77.9	7986	0.0470	0.0630	57.20	3.41	0.143	0.407	0.453	0.280	0.303
500	81.9	9226	0.0366	0.0520	71.50	3.75	0.157	0.389	0.435	0.258	0.281
630	85.4	10676	0.0283	0.0415	90.09	4.06	0.170	0.375	0.421	0.238	0.261
800	89.4	12572	0.0221	0.0325	114.40	4.39	0.184	0.362	0.408	0.221	0.244
1000	97.4	15174	0.0176	0.0235	143.00	5.06	0.212	0.340	0.386	0.199	0.222
1200	100.9	16907	0.0151	0.0200	171.60	5.35	0.224	0.332	0.378	0.191	0.214

Uo/U(Um)=76/132(145)KV-SINGLE-CORE CABLE - COPPER CONDUCTORS

Current carrying capacity														
Nominal cross-sectional area	cables in ground at 25 °C				cables in air 35 °C			cables in ground at 35 °C				cables in air 45 °C		
	solid-bonded sheaths		cross-bonded sheaths		solid-bonded sheaths		cross bonded sheaths	solid-bonded sheaths		cross-bonded sheaths		solid-bonded sheaths		cross-bonded sheaths
	trefoil touching	axial space 0.15m	axial space 0.15m	axial space 0.45m	trefoil touching	axial space 0.15m	axial space 0.15m	trefoil touching	axial space 0.15m	axial space 0.15m	axial space 0.45m	trefoil touching	axial space 0.15m	axial space 0.15m
mm2	trefoil	flat	flat	flat	trefoil	flat	flat	trefoil	flat	flat	flat	trefoil	flat	flat
240	486	477	512	562	625	667	692	447	439	471	517	563	600	623
300	546	530	579	637	713	760	796	502	488	533	586	642	684	716
400	617	590	659	728	820	871	927	568	543	606	670	738	784	834
500	695	653	750	833	942	996	1078	639	601	690	766	848	896	970
630	778	717	851	951	1076	1131	1251	716	660	783	875	968	1018	1126
800	858	774	951	1073	1214	1268	1435	789	712	875	987	1093	1141	1292
1000	947	824	1087	1239	1390	1429	1688	871	758	1000	1140	1251	1286	1519
1200	990	850	1154	1332	1485	1520	1835	911	782	1062	1225	1337	1368	1652

Thermal resistivity of soil 1.2 °C m/w

Depth of laying 1 m