









XLPE INSULATED AND PVC SHEATHED MEDIUM VOLTAGE 6/10(12) KV

SINGLE CORE COPPER CONDUCTORS XLPE INSULATED AND PVC SHEATHED 6/10 (12) KV

Application: These cables are generally suitable for direct burial or for installation on trays or ducts.

Nominal Cross Sectional Area mm ²	Max. Conductor Resistance		Operating Capacitance μf/km	Inductance		Current Rating				Approx. Overall Diameter mm	Approx. Weight kg/km
	DC at 20 °C Ω/km	AC at 90 °C Ω/km		Trefoil	Flat	Laid in Ground		Laid in Free Air			
				 mh/km	 mh/km	 A	 A	 A	 A		
25	0.7270	0.9271	0.200	0.450	0.635	139	145	143	173	20.0	665
35	0.5240	0.6683	0.224	0.426	0.611	166	174	174	211	21.1	770
50	0.3870	0.4937	0.251	0.393	0.578	197	206	209	255	22.5	905
70	0.2680	0.3420	0.291	0.370	0.554	242	252	262	319	24.3	1135
95	0.1930	0.2465	0.316	0.357	0.542	287	299	317	384	25.5	1390
120	0.1530	0.1956	0.345	0.344	0.529	326	339	366	443	26.9	1655
150	0.1240	0.1588	0.374	0.336	0.521	364	375	416	498	28.7	2015
185	0.0991	0.1272	0.409	0.322	0.507	411	422	478	570	30.4	2390
240	0.0754	0.0973	0.456	0.310	0.494	475	484	565	669	33.0	2950
300	0.0601	0.0781	0.512	0.301	0.487	535	542	650	765	35.8	3590
400	0.0470	0.0618	0.565	0.292	0.477	599	591	745	853	38.6	4510
500	0.0366	0.0490	0.635	0.282	0.467	674	659	859	975	42.2	5610
630	0.0283	0.0391	0.704	0.275	0.460	752	728	981	1103	45.9	6940
800	0.0221	0.0319	0.795	0.268	0.453	869	979	1160	1480	50.8	9195
1000	0.0176	0.0234	0.983	0.266	0.451	1084	1188	1515	1864	61.2	11105

This data is applicable for 6.35 / 11 kv cables.

The ampacity for single core sizes 800 & 1000mm² was based on a single end bonding

The above data is approximate and subjected to manufacturing tolerance