

SINGLE CORE - HT XLPE 12.7/22 kV (E) or 22 kV (E) AS PER IS:7098 (PT-2) 2011

Technical Parameters										Current rating in (a.c.) in Trefoil		
Nominal Area	Nominal Thickness of Insulation	Minimum Thickness of Inner Sheath	Nominal Diameter of Round AL. Wire	Minimum Thickness of Outer Sheath	Approx Overall Diameter	Approx weight of Cable	Standard Drum length	Approx Capacitance	Approx Reactance	Current rating in Ground at 30 dec C	Current rating in Duct at 30 dec C	Current rating in Air at 40 dec C
Sq mm	mm	mm	mm	mm	mm	kgs/km	Mtrs	mF/km	Ohm/km	Amp	Amp	Amp
50	6.00	0.30	1.60	1.56	29.8	980	500	0.15	0.137	137	120	174
70	6.00	0.30	1.60	1.56	31.4	1090	500	0.17	0.130	167	146	217
95	6.00	0.40	2.00	1.56	34.2	1330	500	0.19	0.126	198	172	262
120	6.00	0.40	2.00	1.56	35.8	1465	500	0.21	0.121	224	195	302
150	6.00	0.40	2.00	1.56	37.3	1600	500	0.22	0.117	249	217	339
185	6.00	0.40	2.00	1.72	38.8	1760	500	0.24	0.115	280	243	389
240	6.00	0.40	2.00	1.72	41.1	2010	500	0.26	0.110	321	278	455
300	6.00	0.40	2.00	1.72	43.0	2235	500	0.28	0.107	355	307	515
400	6.00	0.50	2.00	1.88	46.8	2685	500	0.32	0.103	400	345	594
500	6.00	0.50	2.50	2.04	52.2	3365	500	0.36	0.101	447	384	678
630	6.00	0.50	2.50	2.04	55.2	3870	500	0.39	0.098	496	424	770
800	6.00	0.60	2.50	2.20	60.6	4695	500	0.45	0.094	543	475	866
1000	6.00	0.60	2.50	2.36	64.7	5490	500	0.49	0.092	572	498	944

SINGLE CORE - HT XLPE 19/33 kV (E) or 33 kV (E) AS PER IS:7098 (PT-2) 2011

Technical Parameters										Current rating in (a.c.) in Trefoil		
Nominal Area	Nominal Thickness of Insulation	Minimum Thickness of Inner Sheath	Nominal Diameter of Round AL. Wire	Minimum Thickness of Outer Sheath	Approx Overall Diameter	Approx weight of Cable	Standard Drum length	Approx Capacitance	Approx Reactance	Current rating in Ground at 30 dec C	Current rating in Duct at 30 dec C	Current rating in Air at 40 dec C
Sq mm	mm	mm	mm	mm	mm	kgs/km	Mtrs	mF/km	Ohm/km	Amp	Amp	Amp
50	8.80	0.40	2.00	1.56	36.4	1400	500	0.12	0.150	137	120	174
70	8.80	0.40	2.00	1.56	38.0	1530	500	0.13	0.142	167	146	217
95	8.80	0.40	2.00	1.72	40.2	1725	500	0.15	0.136	198	172	262
120	8.80	0.40	2.00	1.72	41.8	1870	500	0.16	0.130	224	195	302
150	8.80	0.40	2.00	1.72	43.3	2020	500	0.17	0.126	249	217	339
185	8.80	0.50	2.00	1.88	45.1	2235	500	0.18	0.124	280	243	389
240	8.80	0.50	2.00	1.88	47.4	2500	500	0.20	0.119	321	278	455
300	8.80	0.50	2.50	2.04	50.7	2940	500	0.21	0.117	355	307	515
400	8.80	0.50	2.50	2.04	53.8	3340	500	0.23	0.112	400	345	594
500	8.80	0.60	2.50	2.20	58.3	3960	500	0.26	0.108	447	384	678
630	8.80	0.60	2.50	2.36	61.6	4540	500	0.29	0.105	496	424	770
800	8.80	0.60	2.50	2.36	66.5	5335	500	0.32	0.100	543	475	866
1000	8.80	0.70	3.15	2.52	72.6	6580	500	0.35	0.099	572	498	944

