

**SINGLE CORE - HT XLPE 6.6 kV (UE) or 6.35/11 kV 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	3.60	0.30	1.60	1.40	24.7	720	500	0.22	0.125	138	122	167
70	3.60	0.30	1.60	1.40	26.2	820	500	0.25	0.119	168	149	209
95	3.60	0.30	1.60	1.40	28.0	950	500	0.28	0.113	200	177	254
120	3.60	0.30	1.60	1.56	30.0	1100	500	0.31	0.110	227	200	294
150	3.60	0.30	1.60	1.56	31.5	1210	500	0.33	0.106	252	223	331
185	3.60	0.40	2.00	1.56	33.7	1430	500	0.36	0.106	284	250	383
240	3.60	0.40	2.00	1.56	36.0	1660	500	0.40	0.102	326	286	450
300	3.60	0.40	2.00	1.56	37.9	1870	500	0.43	0.099	365	319	512
400	3.60	0.40	2.00	1.72	41.3	2250	500	0.49	0.095	412	359	594
500	3.60	0.50	2.00	1.88	46.0	2800	500	0.56	0.093	461	401	680
630	3.60	0.50	2.00	1.88	49.0	3270	500	0.61	0.090	514	445	778
800	3.60	0.50	2.50	2.04	55.3	4160	500	0.70	0.088	553	476	863
1000	3.60	0.60	2.50	2.20	59.5	4950	500	0.77	0.087	595	509	954

**SINGLE CORE - HT XLPE 11 kV (UE) or 11/11 kV 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	5.50	0.30	1.60	1.56	28.8	930	500	0.16	0.135	138	122	167
70	5.50	0.30	1.60	1.56	30.4	1030	500	0.18	0.128	168	149	209
95	5.50	0.30	2.00	1.56	33.0	1250	500	0.20	0.123	200	177	254
120	5.50	0.40	2.00	1.56	34.8	1400	500	0.22	0.119	227	200	294
150	5.50	0.40	2.00	1.56	36.3	1535	500	0.24	0.115	252	223	331
185	5.50	0.40	2.00	1.56	37.5	1665	500	0.25	0.112	284	250	383
240	5.50	0.40	2.00	1.72	40.1	1940	500	0.28	0.108	326	286	450
300	5.50	0.40	2.00	1.72	42.0	2165	500	0.30	0.105	365	319	512
400	5.50	0.50	2.00	1.88	45.8	2610	500	0.34	0.102	412	359	594
500	5.50	0.50	2.50	2.04	51.2	3280	500	0.39	0.099	461	401	680
630	5.50	0.50	2.50	2.04	54.2	3780	500	0.42	0.096	514	445	778
800	5.50	0.60	2.50	2.20	59.6	4600	500	0.48	0.093	553	476	863
1000	5.50	0.60	2.50	2.36	63.7	5390	500	0.52	0.091	595	509	954

