

DATA SHEET

SINGLE CORE - HT XLPE 3.3 kV (E) or 3.3/3.3 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	2.50	0.30	1.60	1.40	22.5	625	500	0.29	0.120	138	123	166
70	2.50	0.30	1.60	1.40	24.0	720	500	0.33	0.113	168	149	208
95	2.50	0.30	1.60	1.40	25.8	850	500	0.37	0.108	200	177	252
120	2.50	0.30	1.60	1.40	27.5	960	500	0.42	0.104	227	201	292
150	2.50	0.30	1.60	1.56	29.3	1100	500	0.45	0.102	252	223	329
185	2.50	0.30	1.60	1.56	30.4	1210	500	0.48	0.099	285	251	380
240	2.50	0.40	2.00	1.56	32.3	1520	500	0.54	0.098	326	286	448
300	2.50	0.40	2.00	1.56	35.7	1740	500	0.59	0.095	365	319	511
400	2.60	0.40	2.00	1.72	39.3	2110	500	0.65	0.092	412	359	593
500	2.80	0.40	2.00	1.72	43.8	2590	500	0.70	0.089	461	401	680
630	3.00	0.50	2.00	1.88	48.0	3180	500	0.70	0.089	514	445	777
800	3.30	0.50	2.50	2.04	55.1	4140	500	0.72	0.088	552	476	863
1000	3.50	0.60	2.50	2.20	59.5	4950	500	0.77	0.087	595	509	954

SINGLE CORE - HT XLPE 6.6 kV (E) or 3.8/6.6 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	2.80	0.30	1.60	1.40	23.0	650	500	0.26	0.121	138	123	166
70	2.80	0.30	1.60	1.40	24.6	750	500	0.30	0.115	168	149	208
95	2.80	0.30	1.60	1.40	26.4	875	500	0.34	0.109	200	177	252
120	2.80	0.30	1.60	1.40	28.0	985	500	0.38	0.105	227	201	292
150	2.80	0.30	1.60	1.56	29.9	1130	500	0.41	0.103	252	223	329
185	2.80	0.30	1.60	1.56	31.3	1270	500	0.44	0.101	285	251	380
240	2.80	0.40	2.00	1.56	34.4	1560	500	0.49	0.099	326	286	448
300	3.00	0.40	2.00	1.56	36.7	1800	500	0.51	0.097	365	319	511
400	3.30	0.40	2.00	1.72	40.7	2210	500	0.53	0.095	412	359	593
500	3.50	0.50	2.00	1.72	45.8	2780	500	0.57	0.092	461	401	680
630	3.50	0.50	2.00	1.88	48.8	3250	500	0.63	0.090	514	445	777
800	3.50	0.50	2.50	2.04	55.1	4140	500	0.72	0.088	552	476	863
1000	3.60	0.60	2.50	2.20	59.5	4950	500	0.77	0.087	595	509	954

