

3 CORE - HT XLPE 6.35/11 kV AS PER IS:7098 (PT-2)

Nominal Area	Sq mm	50	70	95	120	150	185	240	300	400
Nominal Thickness of Insulation	mm	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
Minim Thickness of Inner Sheath	mm	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.70	0.70
FLAT GALVANISED STEEL STRIP ARMoured										
Nominal Thickness of Armour G. S. Flat Strip	mm	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Minim Thickness of Outer Sheath	mm	1.88	1.88	2.04	2.20	2.20	2.36	2.52	2.68	2.84
Approx Overall Diameter	mm	44.20	47.70	52.00	55.80	59.00	62.00	67.30	71.70	78.70
Approx weight of Cable kgs/km	kgs/km	2450	2840	3390	3880	4340	4890	5790	6640	7960
Standard Drum length	Mtrs	500	500	500	500	500	500	500	500	500
Drum Size		1809G	1809G	2010G	2010G	2212G	2412G	2412G	2412G	2413(14)G
ROUND GALVANISED WIRE ARMoured										
Nominal Diameter of Round Armour wire	mm	2.50	2.50	2.50	2.50	2.50	3.15	3.15	3.15	4.00
Minim Thickness of Outer Sheath	mm	2.04	2.04	2.20	2.20	2.36	2.52	2.68	2.84	3.00
Approx Overall Diameter	mm	47.70	51.00	55.40	58.80	62.40	66.70	72.00	76.40	85.70
Approx weight of Cable kgs/km	kgs/km	3420	3910	4550	5060	5670	7000	8070	9035	11830
Standard Drum length	Mtrs	500	500	500	500	500	500	250	250	250
Drum Size		1809G	2010G	2010G	2212G	2412G	2412G	2412G	2214(13)G	2214(13)G
REACTIVE COMPONENT										
Approx Capacitance mF/km	mF/km	0.22	0.25	0.28	0.31	0.34	0.36	0.40	0.44	0.50
Approx Reactance Ω/KM	Ω/KM	0.103	0.098	0.094	0.091	0.089	0.087	0.084	0.082	0.080
CONTINUOUS CURRENT RATING FOR THREE CORE CABLES										
Current rating in Ground at 30 dec C	Amp	Drum Size	161	190	216	242	273	315	354	404
Current rating in Duct at 30 dec C	Amp	114	139	165	188	209	240	278	312	356
Current rating in Air at 40 dec C	Amp	148	184	222	256	288	330	387	441	512

