

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

Nominal Area	Sq mm	50	70	95	120	150	185	240	300	400
Nominal Thickness of Insulation	mm	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
Minim Thickness of Inner Sheath	mm	0.60	0.60	0.70	0.70	0.70	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	2.20	2.36	2.36	2.52	2.68	2.68	2.84	3.00	3.00
Approx Overall Diameter	mm	55.40	59.10	63.10	66.90	70.40	73.00	78.30	82.70	89.30
Approx weight of Cable kgs/km	kgs/km	3510	4000	4560	5140	5700	6240	7220	8120	9510
Standard Drum length	Mtrs	500	500	500	500	500	500	500	250	250
Drum Size		2009G	2212G	2412G	2412G	2412G	2412G	2613(14)G	2414(14)G	2614(14)G
ROUND GALVANISED WIRE ARMoured										
Nominal Diameter of Round Armour wire	mm	2.50	2.50	3.15	3.15	3.15	3.15	4.00	4.00	4.00
Minim Thickness of Outer Sheath	mm	2.36	2.36	2.52	2.68	2.68	2.84	3.00	3.00	3.00
Approx Overall Diameter	mm	58.80	62.20	67.80	71.60	74.80	77.70	85.20	89.30	95.90
Approx weight of Cable kgs/km	kgs/km	4740	5250	6735	7430	8010	8680	10900	11975	13625
Standard Drum length	Mtrs	500	500	500	500	400	400	300	300	250
Drum Size		2212G	2412G	2412G	2412G	2412G	2413(14)G	2414(14)G	2616(14)G	2616(14)G
REACTIVE COMPONENT										
Approx Capacitance mF/km	mF/km	0.15	0.17	0.19	0.21	0.23	0.24	0.27	0.29	0.32
Approx Reactance Ω/KM	Ω/KM	0.119	0.113	0.108	0.104	0.100	0.098	0.095	0.092	0.089
CONTINUOUS CURRENT RATING FOR THREE CORE CABLES										
Current rating in Ground at 30 dec C	Amp	130	159	189	215	239	270	312	351	400
Current rating in Duct at 30 dec C	Amp	116	142	169	192	214	245	282	317	361
Current rating in Air at 40 dec C	Amp	152	189	227	262	294	336	393	448	519

