

3 CORE - HT XLPE 3.8/6.6 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	2.80	2.80	2.80	2.80	2.80	2.80	2.80	3.00	3.30
Minim Thickness of Inner Sheath	mm	0.50	0.50	0.50	0.60	0.60	0.60	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	1.72	1.88	1.88	2.04	2.20	2.20	2.36	2.52	2.84
Approx Overall Diameter	mm	40.50	44.20	48.10	52.00	55.60	58.20	63.50	68.80	77.40
Approx weight of Cable kgs/km	kgs/km	2120	2550	2990	3510	3990	4440	5340	6240	7780
Standard Drum length	Mtrs	500	500	500	500	500	500	500	500	500
Drum Size		1809G	1809G	1809G	2009G	2009G	2212G	2412G	2412G	2613(14)G
ROUND GALVANISED WIRE ARMoured										
Nominal Diameter of Round Armour wire	mm	2.00	2.00	2.50	2.50	2.50	2.50	3.15	3.15	4.00
Minim Thickness of Outer Sheath	mm	1.88	1.88	2.04	2.20	2.20	2.36	2.52	2.68	3.00
Approx Overall Diameter	mm	42.90	46.30	51.50	55.40	58.60	61.50	68.20	73.50	83.80
Approx weight of Cable kgs/km	kgs/km	2740	3160	4070	4660	5170	5760	7485	8570	10480
Standard Drum length	Mtrs	500	500	500	500	500	500	500	250	250
Drum Size		1809G	1809G	2009G	2009G	2009G	2212G	2412(12)G	2413(14)G	2413(14)G
REACTIVE COMPONENT										
Approx Capacitance mF/km	mF/km	0.27	0.30	0.35	0.38	0.42	0.45	0.50	0.51	0.53
Approx Reactance Ω /KM	Ω /KM	0.097	0.093	0.089	0.086	0.084	0.083	0.080	0.080	0.079
CONTINUOUS CURRENT RATING FOR THREE CORE CABLES										
Current rating in Ground at 30 dec C	Amp	131	160	191	216	241	273	315	354	403
Current rating in Duct at 30 dec C	Amp	113	138	165	187	208	236	277	312	355
Current rating in Air at 40 dec C	Amp	146	182	221	254	286	330	385	440	512

