

3 CORE - HT XLPE 19/33 kV; 33 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	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80
Minim Thickness of Inner Sheath	mm	0.70	0.70	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	2.52	2.68	2.84	2.84	3.00	3.00	3.00	3.00	3.00
Approx Overall Diameter	mm	68.20	71.90	76.10	79.60	83.10	85.70	90.60	94.60	101.30
Approx weight of Cable kgs/km	kgs/km	4950	5530	6200	6790	7430	7980	9020	9920	11420
Standard Drum length	Mtrs	500	500	500	500	500	500	250	250	250
Drum Size		0	0	0	0	0	0	0	0	0
ROUND GALVANISED WIRE ARMoured										
Nominal Diameter of Round Armour wire	mm	3.15	3.15	3.15	4.00	4.00	4.00	4.00	4.00	4.00
Minim Thickness of Outer Sheath	mm	2.68	2.84	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Approx Overall Diameter	mm	72.90	76.60	80.80	86.50	89.70	92.30	97.20	101.30	107.90
Approx weight of Cable kgs/km	kgs/km	7380	8040	8860	10740	11470	12200	13450	14510	16400
Standard Drum length	Mtrs	500	400	400	300	300	250	250	250	200
Drum Size		0	0	0	0	0	0	0	0	0
REACTIVE COMPONENT										
Approx Capacitance mF/km	mF/km	0.12	0.13	0.15	0.16	0.17	0.18	0.20	0.22	0.24
Approx Reactance Ω/KM	Ω/KM	0.134	0.127	0.120	0.116	0.112	0.109	0.105	0.102	0.098
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

