



## Siechem 3 Core APC Conductor EBXL - XLPE 120°C Insulated GI wire Armoured PVC ST2 Sheathed 1100 V Power cable as per IS 7098

### Application

- ✓ Transmission and distribution of Power Industrial units
- ✓ Commercial and residential places
- ✓ Indoor and outdoor uses
- ✓ Cable ducts, cable trays conduits
- ✓ Direct burial and underground burial where mechanical damage risk for cables.

### Product Construction

- ✓ Conductor : Annealed Plain copper conductor complying with IS 8130
- ✓ Insulation : Electron Beam Cross Linked Polyethylene 120°C
- ✓ Armour : GI wire
- ✓ Jacket : PVC-ST2 (Optional : FRLS, ZHLS)

### Technical Data

- ✓ Operating Temperature : -15°C to +120°C
- ✓ High Insulation resistance at elevated temperature
- ✓ Short Circuit Temperature : 280°C
- ✓ Bending radius (min) : 12 x Cable dia
- ✓ Rated Voltage : 1100 V
- ✓ Test Voltage : 3 kV for 5 mins.
- ✓ Specification : IS 7098

### Features

- ✓ Electron Beam Cross Linked.
- ✓ Enhanced Mechanical, Electrical, Thermal & Weathering properties.
- ✓ Soldering iron resistant
- ✓ Resistance to corona effect.
- ✓ Easy jointing & termination
- ✓ Better resistance to most chemicals & acids
- ✓ Low direct electric losses.
- ✓ High current carrying capacity.

IS : 7098 (PL.1)  CML/L-6819184	<b>ISO 9001</b>	<b>ISO 14001</b>	<b>OHSAS 18001</b>
<b>AS 9100</b>	<b>ISO 45001</b>		

Part Number	Area	Cond.Min. No.of Wires	Thickness of EBXL / XLPE Insulation (Nom.)	Dimension of Arm Wire	Thickness of Outer Sheath	Approx Overall diameter	Approx.Net Wt.of Cable	Max.D.C Resistance at 20 deg.C	Current Rating For EBXL -XLPE Cables (125°C)			Current Rating For Chemically Cured XLPE Cables (90°C)			Short Circuit Rating for 1 sec
									Direct in Ground	In Duct	In Air	Direct in Ground	In Duct	In Air	
	Sq.mm	Nos	mm	mm	mm	mm	Kg/Km	Ω/KM	Cu	Cu	Cu	Cu	Cu	Cu	Cu
243ER1303	1.5	1	0.7	1.4	1.24	15.3	470	12.1	33	30	29	25	23	22	0.21
243ER1603	2.5	1	0.7	1.4	1.24	16.2	539	7.41	44	40	39	34	31	30	0.36
243ER1903	4	1	0.7	1.4	1.24	17.2	626	4.61	57	52	52	44	40	40	0.57
243ER2303	6	1	0.7	1.4	1.24	18.3	740	3.08	72	65	65	55	50	51	0.86
244ER2703	10	7	0.7	1.6	1.4	21.8	1066	1.83	95	86	82	73	66	63	1.4

Cable conforming to IEC 60502 & VDE - 0271 also available according to customer requirement.

