



**Siechem 3.5 Core APC Conductor EBXL - XLPE 120°C Insulated GI Strips 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 Strips
- ✓ 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)  CM/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 strips	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
	Main	Neutral	Main	Neutral	Mmain	Neutral						Direct in Ground	In Duct	In Air	Direct in Ground	In Duct	In Air	
	Sq.mm	Sq.mm	Nos	Nos	mm	mm						Cu	Cu	Cu	Cu	Cu	Cu	
244WF303H	25	16	7	7	0.9	0.7	0.8 X 4	1.4	22.9	1447	0.727	159	143	143	122	110	110	3.6
244WF323H	35	16	7	7	0.9	0.7	0.8 X 4	1.4	25.1	1793	0.524	190	170	172	146	131	132	5.0
244WF343H	50	25	7	7	1.0	0.9	0.8 X 4	1.4	28.3	2380	0.387	224	202	211	172	155	162	7.1
244WF373H	70	35	19	7	1.1	0.9	0.8 X 4	1.56	32.4	3174	0.268	274	247	257	211	190	198	10.0
244WF383H	95	50	19	7	1.1	1.0	0.8 X 4	1.56	35.7	4100	0.193	329	296	312	253	228	240	13.6
244WF413H	120	70	19	19	1.2	1.1	0.8 X 4	1.72	39.4	5090	0.153	373	335	359	287	258	276	17.1
244WF423H	150	70	19	19	1.4	1.1	0.8 X 4	1.72	43.6	6096	0.124	417	376	413	321	289	318	21.4
244WF443H	185	95	37	19	1.6	1.1	0.8 X 4	1.88	48.3	7440	0.0991	469	423	476	361	325	366	26.4
244WF463H	240	120	37	19	1.7	1.2	0.8 X 4	2.04	53.8	9397	0.0754	541	486	554	416	374	426	34.3
244WF483H	300	150	37	19	1.8	1.4	0.8 X 4	2.2	59.1	11524	0.0601	603	543	624	464	418	480	42.9
244WF493H	400	185	61	37	2.0	1.6	0.8 X 4	2.52	67.6	14983	0.0470	677	610	703	521	469	546	57.1

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

