



**Siechem 3.5 Core Aluminium Conductor EBXL - XLPE 120°C Insulated PVC ST2 Sheathed 1100 V (UA) 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 : Aluminium conductor complying with IS 8130
- ✓ Insulation : Electron Beam Cross Linked Polyethylene 120°C
- ✓ Inner sheath : PVC
- ✓ 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, oils & 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.)		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	
	main	Neutral	main	Neutral	main	Neutral	mm	mm	Kg/Km	Ω/KM	Al	Al	Al	Al	Al	Al	Al
230E303H	25	16	7	7	0.9	0.7	2.0	22.5	590	1.20	122	111	125	94	85	96	2.4
230E323H	35	16	7	7	0.9	0.7	2.0	24.7	711	0.868	147	133	152	113	102	117	3.3
230E343H	50	25	7	7	1.0	0.9	2.0	27.9	930	0.641	173	156	185	133	120	142	4.7
230E373H	70	35	19	7	1.1	0.9	2.2	32.1	1244	0.443	213	192	223	164	148	179	6.6
230E383H	95	50	19	7	1.1	1.0	2.2	35.4	1563	0.320	255	229	287	196	176	221	9.0
230E413H	120	70	19	19	1.2	1.1	2.2	38.7	1924	0.253	290	261	334	223	201	257	11.3
230E423H	150	70	19	19	1.4	1.1	2.4	43.3	2339	0.206	324	291	380	249	224	292	14.2
230E443H	185	95	37	19	1.6	1.1	2.6	48.1	2877	0.164	367	330	438	282	254	337	17.5
230E463H	240	120	37	19	1.7	1.2	2.8	53.8	3624	0.125	424	381	519	326	293	399	22.6
230E483H	300	150	37	19	1.8	1.4	3.0	59.1	4422	0.100	477	429	593	367	330	456	28.3
230E493H	400	185	61	37	2.0	1.6	3.4	67.8	5780	0.0778	543	489	689	418	376	530	37.7

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



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