



**Siechem 4 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)  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 Sq.mm	Cond.Min. No.of Wires Nos	Thickness of EBXL / XLPE Insulation (Nom.) mm	Thickness of Outer Sheath mm	Approx Overall diameter mm	Approx.Net Wt.of Cable Kg/Km	Max.D.C Resistance at 20 deg.C Ω/KM	Current Rating For EBXL -XLPE Cables (125°C)			Current Rating For Chemically Cured XLPE Cables (90°C)			Short Circuit Rating for 1sec AI
								Direct in Ground AI	In Duct AI	In Air AI	Direct in Ground AI	In Duct AI	In Air AI	
230E2804	16	7	0.7	1.8	19.1	438	1.91	95	73	91	73	56	70	1.5
230E3004	25	7	0.9	2.0	22.9	631	1.20	122	111	125	94	85	96	2.4
230E3204	35	7	0.9	2.0	25.2	.784	0.868	147	133	152	113	102	117	3.3
230E3404	50	7	1.0	2.0	28.5	1022	0.641	173	156	185	133	120	142	4.7
230E3604	70	19	1.1	2.2	33.1	1377	0.443	213	192	223	164	148	179	6.6
230E3804	95	19	1.1	2.2	36.6	1725	0.320	255	229	287	196	176	221	9.0
230E4104	120	19	1.2	2.4	40.5	2140	0.253	290	261	334	223	201	257	11.3
230E4204	150	19	1.4	2.6	45.3	2667	0.206	324	291	380	249	224	292	14.2
230E4404	185	37	1.6	2.8	50.5	3264	0.164	367	330	438	282	254	337	17.5
230E4604	240	37	1.7	3.0	56.4	4117	0.125	424	381	519	326	293	399	22.6
230E4804	300	37	1.8	3.2	62.0	5014	0.100	477	429	593	367	330	456	28.3
230E4904	400	61	2.0	3.4	70.8	6529	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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