



## Siechem Single 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
- ✓ 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	Cond.Min. No.of Wires	Thickness of EBXL / XLPE Insulation (Nom.)	Thickness of Outer Sheath Unarm	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 1sec
								Direct in Ground	In Duct	In Air	Direct in Ground	In Duct	In Air	
	Sq.mm	Nos	mm	mm	mm	Kg/Km	Ω/KM	Al	Al	Al	Al	Al	Al	Al
229SE13XX	1.5	1	0.7	1.8	7.2	60	-	-	-	-	-	-	-	-
229SE16XX	2.5	1	0.7	1.8	7.6	67	-	-	-	-	-	-	-	-
229SE19XX	4	1	0.7	1.8	8.0	77	7.41	44	42	40	36	32	31	0.38
229SE23XX	6	1	0.7	1.8	8.5	89	4.61	57	52	51	44	40	39	0.57
229SE27XX	10	1	0.7	1.8	9.4	109	3.08	77	69	69	59	53	53	0.94
230SE28XX	16	7	0.7	1.8	11.0	147	1.91	99	88	95	76	68	73	1.5
230SE30XX	25	7	0.9	1.8	12.5	194	1.20	125	122	127	96	86	98	2.4
230SE32XX	35	7	0.9	1.8	13.6	235	0.868	148	134	157	144	103	121	3.3
230SE34XX	50	7	1.0	1.8	14.6	291	0.641	176	159	195	135	122	150	4.7
230SE37XX	70	19	1.1	1.8	16.6	374	0.443	216	194	243	166	149	187	6.6
230SE38XX	95	19	1.1	1.8	18.4	466	0.320	257	231	299	198	178	230	9.0
230SE41XX	120	19	1.2	1.8	20.0	562	0.253	293	264	348	225	203	268	11.3
230SE42XX	150	19	1.4	2.0	22.3	699	0.206	329	296	402	253	228	309	14.2
230SE44XX	185	37	1.6	2.0	24.4	836	0.164	372	334	468	286	257	360	17.5
230SE46XX	240	37	1.7	2.0	27.0	1032	0.125	432	389	563	332	299	433	22.6
230SE48XX	300	37	1.8	2.0	29.4	1240	0.100	489	439	651	376	338	501	28.3
230SE49XX	400	61	2.0	2.2	32.9	1606	0.0778	560	504	775	431	388	596	37.7
230SE50XX	500	61	2.2	2.2	36.6	1960	0.0605	637	573	901	490	441	693	47.2
230SE51XX	630	61	2.4	2.2	41.2	2416	0.0469	724	651	1058	557	501	814	59.4

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



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