



## Siechem 4 Core Aluminium 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 : Aluminium 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 1sec
									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	AL	AL	AL	AL	AL	AL	AL
234WF2804	16	7	0.7	0.8X4	1.4	19.9	698	1.91	95	143	125	73	56	70	1.5
234WF3004	25	7	0.9	0.8X4	1.4	23.3	915	1.20	122	170	152	94	85	96	2.4
234WF3204	35	7	0.9	0.8X4	1.4	25.6	1113	0.868	147	133	152	113	102	117	3.3
234WF3404	50	7	1.0	0.8X4	1.5	29.3	1440	0.641	173	156	185	133	120	142	4.7
234WF3704	70	19	1.1	0.8X4	61.5	33.4	1833	0.443	213	192	223	164	148	179	6.6
234WF3804	95	19	1.1	0.8X4	61.5	36.9	2248	0.320	255	229	287	196	176	221	9.0
234WF4104	120	19	1.2	0.8X4	61.7	40.8	2722	0.253	290	261	334	223	201	257	11.3
234WF4204	150	19	1.4	0.8X4	21.8	45.5	3304	0.206	324	291	380	249	224	292	14.2
234WF4404	185	37	1.6	0.8X4	82.0	50.6	3978	0.164	367	330	438	282	254	337	17.5
234WF4604	240	37	1.7	0.8X4	42.2	56.4	4903	0.125	424	381	519	326	293	399	22.6
234WF4804	300	37	1.8	0.8X4	2.36	61.9	5872	0.100	477	429	593	367	330	456	28.3
234WF4904	400	61	2.0	0.8X4	2.52	70.6	7520	0.0778	543	489	689	418	376	530	37.7

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

