



## Siechem 2 Core Aluminium Conductor EBXL - XLPE 120°C Insulated GI Strip 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 Sq.mm	Cond.Min. No.of Wires Nos	Thickness of EBXL / XLPE Insulation (Nom.) mm	Dimension of Arm GI Strips 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	
234WF3002	25	7	0.9	0.8X4	1.4	20.0	673	1.20	156	140	139	120	108	107	3.6
234WF3202	35	7	0.9	0.8X4	1.4	21.6	777	0.868	186	168	176	143	129	135	5.0
234WF3402	50	19	1.0	0.8X4	1.4	24.0	951	0.641	217	195	216	167	150	166	7.1
234WF3702	70	19	1.1	0.8X4	1.4	26.7	1159	0.443	265	239	248	204	184	191	10.0
234WF3802	95	19	1.1	0.8X4	1.56	29.8	1423	0.320	319	287	313	245	221	241	13.6
234WF4102	120	37	1.2	0.8X4	1.56	32.4	1669	0.253	352	325	346	271	250	266	17.1
234WF4202	150	37	1.4	0.8X4	1.56	35.6	1983	0.206	403	369	406	310	284	312	21.4
234WF4402	185	37	1.6	0.8X4	1.72	39.4	2366	0.164	455	416	456	350	320	351	26.4
234WF4602	240	61	1.7	0.8X4	1.72	43.5	2852	0.125	529	476	529	407	366	407	34.3
234WF4802	300	61	1.8	0.8X4	1.88	47.8	3392	0.100	589	542	608	453	417	468	42.9
234WF4902	400	61	2.0	0.8X4	2.04	53.8	4257	0.0778	624	618	699	480	475	538	57.1

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



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