



## Siechem 3 Core APC 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 : Annealed Plain copper 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 1 sec
									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	Cu	Cu	Cu	Cu	Cu	Cu	Cu
244WF2803	16	7	0.7	0.8 X 4	1.4	18.5	884	1.15	126	113	117	97	87	90	2.3
244WF3003	25	7	0.9	0.8 X 4	1.4	21.6	1225	0.727	159	143	143	122	110	110	3.6
244WF3203	35	7	0.9	0.8 X 4	1.4	24.0	1589	0.524	190	170	182	146	131	140	5.0
244WF3403	50	7	1.0	0.8 X 4	1.4	26.5	2064	0.387	224	202	211	172	155	162	7.1
244WF3703	70	19	1.1	0.8 X 4	1.56	29.8	2716	0.268	274	247	257	211	190	198	10.0
244WF3803	95	19	1.1	0.8 X 4	1.56	33.0	3511	0.193	329	296	312	253	228	240	13.6
244WF4103	120	19	1.2	0.8 X 4	1.56	36.1	4281	0.153	373	335	359	287	258	276	17.1
244WF4203	150	19	1.4	0.8 X 4	1.72	40.0	5261	0.124	417	376	413	321	289	318	21.4
244WF4403	185	37	1.6	0.8 X 4	1.72	44.0	6374	0.0991	469	423	476	361	325	366	26.4
244WF4603	240	37	1.7	0.8 X 4	1.88	48.9	8061	0.0754	541	486	554	416	374	426	34.3
244WF4803	300	37	1.8	0.8 X 4	2.04	54.0	9910	0.0601	603	543	624	464	418	480	42.9
244WF4903	400	61	2.0	0.8 X 4	2.36	61.2	12945	0.0470	677	610	710	521	469	546	57.1

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

