



Siechem 3.5 Core APC Conductor EBXL - XLPE 120°C Insulated PVC ST2 Sheathed 600/1000 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 : Annealed Plain copper 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 & acids
- ✓ Low direct electric losses.
- ✓ High current carrying capacity.

IS : 7098 (PL.1) CM/L-6819184	ISO 9001	ISO 14001	OHSAS 18001
AS 9100	ISO 45001		

Part Number	Area		Cond.Min. No.of Wires		Thickness of EBXL / XLPE Insulation (Nom.)		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	
	Main	Neutral	Main	Neutral	Main	Neutral	mm	mm	Kg/Km	Ω/KM	Cu	Cu	Cu	Cu	Cu	Cu	Cu
240E303H	25	16	7	7	0.9	0.7	2.0	22.5	1136	0.727	159	143	143	122	110	110	3.6
240E323H	35	16	7	7	0.9	0.7	2.0	24.7	1437	0.524	190	170	172	146	131	132	5.0
240E343H	50	25	7	7	1.0	0.9	2.0	27.9	1981	0.387	224	202	211	172	155	162	7.1
240E373H	70	35	19	7	1.1	0.9	2.2	32.1	2714	0.268	274	247	257	211	190	198	10.0
240E383H	95	50	19	7	1.1	1.0	2.2	35.4	3574	0.193	329	296	312	253	228	240	13.6
240E413H	120	70	19	19	1.2	1.1	2.2	38.7	4493	0.153	373	335	359	287	258	276	17.1
240E423H	150	70	19	19	1.4	1.1	2.4	43.3	5447	0.124	417	376	413	321	289	318	21.4
240E443H	185	95	37	19	1.6	1.1	2.6	48.1	6762	0.0991	469	423	476	361	325	366	26.4
240E463H	240	120	37	19	1.7	1.2	2.8	53.8	8644	0.0754	541	486	554	416	374	426	34.3
240E483H	300	150	37	19	1.8	1.4	3.0	59.1	10696	0.0601	603	543	624	464	418	480	42.9
240E493H	400	185	61	37	2.0	1.6	3.2	67.4	13993	0.0470	677	610	703	521	469	546	57.1

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

