



Siechem 3 Core APC 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 : 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	
	Sq.mm	Nos	mm	mm	mm	Kg/Km	Ω/KM	Cu	Cu	Cu	Cu	Cu	Cu	Cu
240E2803	16	7	0.7	1.8	17.7	646	1.15	126	113	117	97	87	90	2.3
240E3003	25	7	0.9	2.0	21.2	962	0.727	159	143	143	122	110	110	3.6
240E3203	35	7	0.9	2.0	23.2	1259	0.524	190	170	182	146	131	140	5.0
240E3403	50	7	1.0	2.0	26.1	1711	0.387	224	202	211	172	155	162	7.1
240E3703	70	19	1.1	2.0	29.1	2298	0.268	274	247	257	211	190	198	10.0
240E3803	95	19	1.1	2.2	32.7	3054	0.193	329	296	312	253	228	240	13.6
240E4103	120	19	1.2	2.2	35.7	3781	0.153	373	335	359	287	258	276	17.1
240E4203	150	19	1.4	2.2	39.4	4666	0.124	417	376	413	321	289	318	21.4
240E4403	185	37	1.6	2.4	43.8	5751	0.0991	469	423	476	361	325	366	26.4
240E4603	240	37	1.7	2.6	48.7	7359	0.0754	541	486	554	416	374	426	34.3
240E4803	300	37	1.8	2.8	53.7	9131	0.0601	603	543	624	464	418	480	42.9
240E4903	400	61	2.0	3.0	60.9	12027	0.0470	677	610	710	521	469	546	57.1

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

