



Siechem 2 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
240E3002	25	7	0.9	2.0	19.6	706	0.727	198	178	173	152	137	133	3.6
240E3202	35	7	0.9	2.0	21.2	908	0.524	234	211	203	180	162	156	5.0
240E3402	50	7	1.0	2.0	23.6	1218	0.387	273	255	281	210	196	216	7.1
240E3702	70	19	1.1	2.0	26.3	1622	0.268	343	309	317	264	238	244	10.0
240E3802	95	19	1.1	2.0	29.1	2120	0.193	408	368	387	314	283	298	13.6
240E4102	120	19	1.2	2.2	32.1	2644	0.153	451	417	432	347	321	332	17.1
240E4202	150	19	1.4	2.2	35.3	3249	0.124	511	472	495	393	363	381	21.4
240E4402	185	37	1.6	2.2	38.8	3954	0.9991	576	530	576	443	408	443	26.4
240E4602	240	37	1.7	2.4	43.2	5070	0.0754	660	606	680	508	466	523	34.3
240E4802	300	37	1.8	2.6	47.6	6272	0.0601	745	683	770	573	525	592	42.9
240E4902	400	61	2.0	2.8	53.7	8258	0.0470	803	770	872	618	592	671	57.1

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



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