



Siechem Single Core APC Conductor EBXL - XLPE 120°C Insulated GI Wire 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 wire
- ✓ 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.)	Dimension of Arm Wire	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 1sec
									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
243SER13XX	1.5	1	1.0	1.4	1.24	9.9	118	12.1	35	31	29	27	24	22	0.21
243SER16XX	2.5	1	1.0	1.4	1.24	10.3	135	7.41	47	40	39	36	32	29	0.36
243SER19XX	4	1	1.0	1.4	1.24	10.8	159	4.61	60	53	52	46	41	40	0.57
243SER23XX	6	1	1.0	1.4	1.24	11.4	186	3.08	74	66	66	57	51	51	0.86
244SER27XX	10	7	1.0	1.4	1.24	12.3	239	1.83	95	88	92	76	68	71	1.4
244SER28XX	16	7	1.0	1.4	1.24	13.3	314	1.15	126	113	124	97	87	95	2.3
244SER30XX	25	7	1.2	1.4	1.24	14.8	424	0.727	172	146	169	132	112	130	3.6
244SER32XX	35	7	1.2	1.4	1.24	15.9	531	0.524	203	173	200	156	133	154	5.0
244SER34XX	50	7	1.3	1.4	1.24	17.5	697	0.387	242	204	259	186	157	199	7.1
244SER37XX	70	19	1.4	1.6	1.4	20.0	943	0.268	290	250	320	223	192	246	10.0
244SER38XX	95	19	1.4	1.6	1.4	21.8	1202	0.193	343	299	386	264	230	297	13.6
244SER41XX	120	19	1.5	1.6	1.4	24.3	1481	0.153	389	338	437	299	260	336	17.1
244SER42XX	150	19	1.7	1.6	1.4	25.4	1772	0.124	437	381	501	336	293	385	21.4
244SER44XX	185	37	1.9	1.6	1.4	27.6	2135	0.9991	476	428	582	366	329	448	26.4
244SER46XX	240	37	2.0	1.6	1.56	30.5	2699	0.0754	539	498	663	415	383	510	34.3
244SER48XX	300	37	2.1	2	1.56	34.3	3379	0.0601	585	560	741	450	431	570	42.9
244SER49XX	400	61	2.4	2	1.56	37.9	4357	0.0470	624	637	858	480	490	660	57.1
244SER50XX	500	61	2.6	2	1.72	42.4	5393	0.0366	733	715	923	564	550	710	71.4
244SER51XX	630	61	2.8	2	1.88	47.1	6700	0.0283	773	859	1073	594	661	825	90.0

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



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