



Siechem Single Core Aluminium Conductor EBXL - XLPE 120°C Insulated GI wire Armoured 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 : Aluminium 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) CML/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	AI	AI	AI	AI	AI	AI	AI
233SER13XX	1.5	1	1.0	1.4	1.24	9.5	169	-	-	-	-	-	-	-	-
233SER16XX	2.5	1	1.0	1.4	1.24	9.9	188	-	-	-	-	-	-	-	-
233SER19XX	4	1	1.0	1.4	1.24	10.3	209	7.41	44	42	40	36	32	31	0.38
233SER23XX	6	1	1.0	1.4	1.24	10.8	232	4.61	57	52	51	44	40	39	0.57
233SER27XX	10	1	1.0	1.4	1.24	11.6	277	3.08	77	69	69	59	53	53	0.94
234SER28XX	16	7	1.0	1.4	1.24	13.3	361	1.91	99	88	95	76	68	73	1.5
234SER30XX	25	7	1.2	1.4	1.24	14.8	443	1.20	125	122	127	96	86	98	2.4
234SER32XX	35	7	1.2	1.4	1.24	15.9	507	0.868	148	134	157	144	103	121	3.3
234SER34XX	50	7	1.3	1.4	1.24	16.9	598	0.641	176	159	195	135	122	150	4.7
234SER37XX	70	19	1.4	1.4	1.4	19.2	741	0.443	216	194	243	166	149	187	6.6
234SER38XX	95	19	1.5	1.6	1.4	21.6	934	0.320	257	231	299	198	178	230	9.0
234SER41XX	120	19	1.5	1.6	1.4	23.0	1087	0.253	293	264	348	225	203	268	11.3
234SER4SXX	150	19	1.7	1.6	1.4	24.1	1213	0.206	329	296	402	253	228	309	14.2
234SER44XX	185	37	1.9	1.6	1.4	27.0	1448	0.164	372	334	468	286	257	360	17.5
234SER46XX	240	37	2.0	1.6	1.56	29.5	1714	0.125	432	389	563	332	299	433	22.6
234SER48XX	300	37	2.1	2.0	1.56	33.1	2253	0.100	489	439	651	376	338	501	28.3
234SER49XX	400	61	2.4	2.0	1.56	36.4	2722	0.0778	560	504	775	431	388	596	37.7
234SER50XX	500	61	2.6	2.0	1.56	40.1	3220	0.0605	637	573	901	490	441	693	47.2
234SER51XX	630	61	2.8	2.0	1.88	45.4	3913	0.0469	724	651	1058	557	501	814	59.4

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



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