



Siechem 2 Core APC Conductor EBXL - XLPE 120°C Insulated GI Strips 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 Strips
- ✓ 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 strips	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	mm	Kg/Km	Ω/KM	Cu	Cu	Cu	Cu	Cu	Cu	Cu
244WF3002	25	7	0.9	0.8 X 4	1.4	20.0	973	0.727	198	178	173	152	137	133	3.6
244WF3202	35	7	0.9	0.8 X 4	1.4	21.6	1197	0.524	234	211	203	180	162	156	5.0
244WF3402	50	7	1.0	0.8 X 4	1.4	24.0	1551	0.387	273	255	281	210	196	216	7.1
244WF3702	70	19	1.1	0.8 X 4	1.4	26.7	1999	0.268	343	309	317	264	238	244	10.0
244WF3802	95	19	1.1	0.8 X 4	1.56	29.8	2564	0.193	408	368	387	314	283	298	13.6
244WF4102	120	19	1.2	0.8 X 4	1.56	32.4	3103	0.153	451	417	432	347	321	332	17.1
244WF4202	150	19	1.4	0.8 X 4	1.56	35.6	3776	0.124	511	472	495	393	363	381	21.4
244WF4402	185	37	1.6	0.8 X 4	1.72	39.4	4577	0.9991	576	530	576	443	408	443	26.4
244WF4602	240	37	1.7	0.8 X 4	1.72	43.5	5721	0.0754	660	606	680	508	466	523	34.3
244WF4802	300	37	1.8	0.8 X 4	1.88	47.8	6977	0.0601	745	683	770	573	525	592	42.9
244WF4902	400	61	2.0	0.8 X 4	2.04	53.8	9038	0.0470	803	770	872	618	592	671	57.1

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



www.siechem.com