

## 2 & 3 Core Aluminium Conductor EBXL-XLPE 120°C Insulated, HR PVC Sheathed, (UA) UV Resistant Power Cable

### Construction:

Conductor : Aluminium conductor complying with IS : 8130 - 1984  
 Insulation : Electron Beam Cross Linked Polyethylene 120°C  
 Jacket : PVC ST 2 & UV Resistant complying with IS : 5831 - 1984. (Colour Black)  
 Optional : 105°C HR PVC (UV)  
 Specification : IS : 7098 (P-1) / 1988 (with enhanced operating temperature)

### Applications

PV Power cables  
 Transmission and distribution of Power  
 Industrial units  
 Commercial and residential places  
 Indoor and outdoor uses  
 Cable ducts, cable trays and conduits  
 Direct burial.

### Technical Data

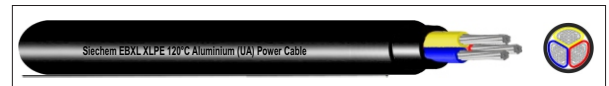
Operating Temperature : -15°C to +120°C  
 High Insulation resistance at elevated temperature  
 Short Circuit Temperature : 250°C  
 Bending radius (min) : 12 x Cable dia  
 Test Voltage : 3 kV for 5 mins.

**Siechem**  
 offers 120°C  
 EBXL XLPE as against 90°C  
 offered by rest of the  
 competition

### Features

Electron Beam Cross Linked. Does not melt or drip  
 Enhanced Mechanical, Electrical, Thermal & Weathering properties.  
 Flame retardant  
 Excellent UV and Ozone resistant.  
 Specially designed for PV Power cable segment.

ISO 9001	ISO 14001	OHSAS 18001	AS 9100	ISO 45001	TUV 
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Part Number	Conductor Area Sq.mm	Cond. Min. No. of Wires Nos	Thickness of EBXL XLPE Insulation (Nom.) mm	Min. Thickness of PVC Inner Sheath mm		Thickness of Outer Sheath (Nom.) mm		Approx. Overall Diameter mm		Approx. Net Wt. of Cable Kg/Km		Max. D.C Resistance at 20 deg.C Ohm/Km	Approx. Capacitance per phase µF/Km		Current Rating For EBXL - XLPE Cables (120°C)						Short Circuit Rating for 1 sec KA
				2Core	3Core	2Core	3Core	2Core	3Core	2Core	3Core		2Core	3Core	2Core	3Core	2Core	3Core	2Core	3Core	
652E19XX*	4	1	0.7	0.3	0.3	1.8	1.8	13.0	14	150	170	7.41	0.065	0.22	50	44	43	37	46	38	0.38
652E23XX	6	1	0.7	0.3	0.3	1.8	1.8	14.0	15	200	200	4.61	0.071	0.25	63	54	54	45	59	49	0.57
652E27XX	10	1	0.7	0.3	0.3	1.8	1.8	15.0	17	230	230	3.08	0.081	0.31	84	71	71	59	79	69	0.94
653W28XX	16	6	0.7	0.3	0.3	1.8	1.8	15.0	18	280	320	1.91	0.088	0.36	110	92	92	76	108	91	1.5
653W30XX	25	6	0.9	0.3	0.3	2.0	2.0	18.0	20	320	450	1.20	0.089	0.41	140	117	116	97	127	114	2.4
653W32XX	35	6	0.9	0.3	0.3	2.0	2.0	20.0	22	390	560	0.868	0.096	0.47	168	141	139	116	160	142	3.3
653W34XX	50	6	1.0	0.3	0.3	2.0	2.0	22.0	25	480	680	0.641	0.098	0.50	198	168	165	136	194	173	4.7
653W37XX	70	12	1.1	0.3	0.4	2.0	2.2	24.0	29	630	970	0.443	0.100	0.53	244	207	204	168	250	221	6.6
653W38XX	95	15	1.1	0.4	0.4	2.2	2.2	28.0	32	820	1220	0.320	0.110	0.61	290	246	239	199	304	269	9.0
653W41XX	120	15	1.2	0.4	0.4	2.2	2.2	30.0	35	990	1460	0.253	0.110	0.63	330	278	272	224	355	311	11.3
653W42XX	150	15	1.4	0.4	0.5	2.2	2.4	33.0	39	1190	1880	0.206	0.110	0.64	373	315	306	255	410	360	14.2
653W44XX	185	30	1.6	0.5	0.5	2.4	2.6	37.0	44	1490	2390	0.164	0.110	0.65	418	354	344	284	469	411	17.5
653W46XX	240	30	1.7	0.5	0.6	2.6	2.8	39.5	49	1900	3000	0.125	0.110	0.66	483	408	396	326	556	484	22.6
653W48XX	300	30	1.8	0.6	0.6	2.8	3.0	45.0	52	2360	3750	0.100	0.120	0.67	546	462	446	369	642	558	28.3
653W49XX	400	53	2.0	0.6	0.7	3.0	3.2	50.0	57	2940	4760	0.0778	0.120	0.67	606	513	495	410	714	619	37.7

Note : To identify the number of cores in the cables, replace XX by 02 - for 2 Core Cable, 03 - for 3 Core Cable.

