

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

Construction:

Conductor : Aluminium conductor
complying with IS : 8130 - 1984

Insulation : Electron Beam Cross Linked Polyethylene 120°C

Armour : Galvanised mild steel wire / strip

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)

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

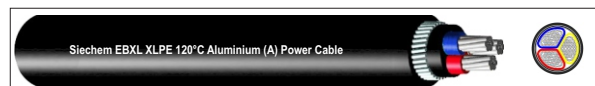
Applications

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.

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 A
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Part Number	Conductor Area	Cond. Min. No. of Wires	Thickness of EBXL XLPE Insulation (Nom.)	Min. Thickness of PVC Inner Sheath mm		Diameter of Arm Wire / Strip (Nom.)	Thickness of Outer Sheath (Min.) mm		Approx. Overall Diameter mm		Approx. Net Wt. of Cable Kg/Km		Max. D.C Resistance at 20 deg.C	Approx. Capacitance per phase µF/Km		Current Rating For EBXL - XLPE Cables (120°C)						Short Circuit Rating for 1 sec
																Direct in Ground Amps		In Duct Amps		In Air Amps		
	Sq.mm	Nos	mm	2Core	3Core	mm	2Core	3Core	2Core	3Core	2Core	3Core	Ohm/Km	2Core	3Core	2Core	3Core	2Core	3Core	2Core	3Core	KA
656ER19XX*	4	1	0.7	0.3	0.3	1.4	1.24	1.24	15.0	16	440	510	7.41	0.065	0.22	50	44	43	37	46	38	0.38
656ER23XX	6	1	0.7	0.3	0.3	1.4	1.24	1.24	16.0	17	500	580	4.61	0.071	0.25	63	54	54	45	59	49	0.57
656ER27XX	10	1	0.7	0.3	0.3	1.4	1.24	1.24	17.0	19	600	675	3.08	0.081	0.31	84	71	71	59	79	69	0.94
657WF28XX	16	6	0.7	0.3	0.3	4x0.8	1.40	1.40	18.0	19	605	550	1.91	0.088	0.36	110	92	92	76	108	91	1.5
657WF30XX	25	6	0.9	0.3	0.3	4x0.8	1.40	1.40	19.0	21	630	790	1.20	0.089	0.41	140	117	116	97	127	114	2.4
657WF32XX	35	6	0.9	0.3	0.3	4x0.8	1.40	1.40	21.0	23	730	900	0.868	0.096	0.47	168	141	139	116	160	142	3.3
657WF34XX	50	6	1.0	0.3	0.3	4x0.8	1.40	1.40	23.0	26	860	1090	0.641	0.098	0.50	198	168	165	136	194	173	4.7
657WF37XX	70	12	1.1	0.3	0.4	4x0.8	1.56	1.56	26.0	30	1070	1400	0.443	0.100	0.53	244	207	204	168	250	221	6.6
657WF38XX	95	15	1.1	0.4	0.4	4x0.8	1.56	1.56	29.0	33	1330	1720	0.320	0.110	0.61	290	246	239	199	304	269	9.0
657WF41XX	120	15	1.2	0.4	0.4	4x0.8	1.56	1.56	31.0	36	1540	2030	0.253	0.110	0.63	330	278	272	224	355	311	11.3
657WF42XX	150	15	1.4	0.4	0.5	4x0.8	1.72	1.72	35.0	40	1800	2150	0.206	0.110	0.64	373	315	306	255	410	360	14.2
657WF44XX	185	30	1.6	0.5	0.5	4x0.8	1.72	1.88	38.0	45	2240	2550	0.164	0.110	0.65	418	354	344	284	469	411	17.5
657WF46XX	240	30	1.7	0.5	0.6	4x0.8	1.88	2.04	41.0	50	2630	3650	0.125	0.110	0.66	483	408	396	326	556	484	22.6
657WF48XX	300	30	1.8	0.6	0.6	4x0.8	2.04	2.20	47.0	53	3260	4460	0.100	0.120	0.67	546	462	446	369	642	558	28.3
657WF49XX	400	53	2.0	0.6	0.7	4x0.8	2.36	2.52	52.0	58	4060	5600	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.

