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

Construction:

Conductor : Annealed Plain Copper 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)

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

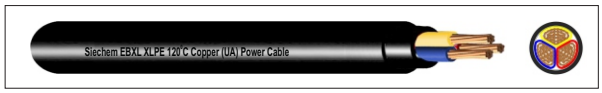
ISO 9001	ISO 14001	OHSAS 18001	AS 9100	ISO 45001	TUV

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.



Part Number	Conductor Area	Cond. Min. No. of Wires	Thickness of EBXL XLPE Insulation (Nom.)	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	Approx. Capacitance per phase µF/Km		Current Rating For EBXL - XLPE Cables (120°C) Direct in Ground Amps		In Duct Amps		In Air Amps		Short Circuit Rating for 1 sec
	Sq.mm	Nos	mm	2Core	3Core	2Core	3Core	2Core	3Core	2Core	3Core	Ohm/Km	2Core	3Core	2Core	3Core	2Core	3Core	2Core	3Core	KA
662E13XX*	1.5	1	0.7	0.3	0.3	1.8	1.8	11.0	11	135	173	12.1	0.051	0.15	39	33	34	26	31	27	0.21
662E16XX	2.5	1	0.7	0.3	0.3	1.8	1.8	12.0	12	160	218	7.41	0.058	0.18	50	44	43	37	43	38	0.36
662E19XX	4	1	0.7	0.3	0.3	1.8	1.8	13.0	14	180	260	4.61	0.065	0.22	66	55	55	47	59	49	0.57
662E23XX	6	1	0.7	0.3	0.3	1.8	1.8	14.0	15	250	350	3.08	0.071	0.25	84	69	68	57	74	64	0.86
663E27XX	10	6	0.7	0.3	0.3	1.8	1.8	15.0	17	310	450	1.83	0.081	0.31	110	92	92	74	101	88	1.4
663W28XX	16	6	0.7	0.3	0.3	1.8	1.8	15.0	18	445	553	1.15	0.088	0.36	142	118	117	97	137	118	2.3
663W30XX	25	6	0.9	0.3	0.3	2.0	2.0	18.0	20	620	865	0.727	0.089	0.41	181	151	150	123	177	151	3.6
663W32XX	35	6	0.9	0.3	0.3	2.0	2.0	20.0	22	825	1161	0.524	0.096	0.47	219	183	179	149	218	199	5.0
663W34XX	50	6	1.0	0.3	0.3	2.0	2.0	22.0	25	1050	1560	0.387	0.098	0.50	260	215	212	174	267	228	7.1
663W37XX	70	12	1.1	0.3	0.4	2.0	2.2	24.0	29	1495	2200	0.268	0.100	0.53	320	267	262	215	342	291	10.0
663W38XX	95	15	1.1	0.4	0.4	2.2	2.2	28.0	32	2010	2940	0.193	0.110	0.61	378	316	307	255	416	352	13.6
663W41XX	120	18	1.2	0.4	0.4	2.2	2.2	30.0	35	2495	3650	0.153	0.110	0.63	431	360	349	287	485	410	17.1
663W42XX	150	18	1.4	0.4	0.5	2.2	2.4	33.0	39	3040	4600	0.124	0.110	0.64	486	407	394	324	559	472	21.4
663W44XX	185	30	1.6	0.5	0.5	2.4	2.6	37.0	44	3755	5760	0.0991	0.110	0.65	544	456	442	362	641	540	26.4
663W46XX	240	34	1.7	0.5	0.6	2.6	2.8	39.5	49	4795	7340	0.0754	0.110	0.66	629	527	509	417	758	637	34.3
663W48XX	300	34	1.8	0.6	0.6	2.8	3.0	45.0	52	5990	9100	0.0601	0.120	0.67	711	593	575	470	876	735	42.9
663W49XX	400	53	2.0	0.6	0.7	3.0	3.2	50.0	57	7970	12100	0.0470	0.120	0.67	634	660	668	523	974	816	57.1

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

Catalogue No 662E/663W