

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

Construction:

- Conductor : Annealed Plain Copper conductor complying with IS : 8130 - 1984
 Insulation : Electron Beam Cross Linked Polyethylene 120°C
 Armour : Galvanised mild steel round wire / flat 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)

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

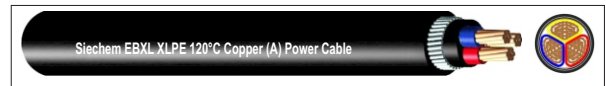
- Operating Temperature : -15°C to +120°C
 High Insulation resistance at elevated temperature
 Short Circuit Temperature : 250°C
 Bending radius (min) : 12 x Cable dia
 Test Voltage : 3 kV for 5 mins.

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	Cond. Min. No. of Wires	Thickness of EBXL XLPE Insulation (Nom.)	Min. Thickness of PVC Inner Sheath (mm)		Dimension 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		
				2Core	3Core		2Core	3Core	2Core	3Core	2Core	3Core		2Core	3Core	2Core	3Core	2Core	3Core	2Core	3Core		2Core	3Core
666ER13XX*	Sq.mm	Nos	mm	2Core	3Core	(mm)	2Core	3Core	2Core	3Core	2Core	3Core	Ohm/Km	2Core	3Core	2Core	3Core	2Core	3Core	2Core	3Core	2Core	3Core	KA
666ER13XX*	1.5	1	0.7	0.3	0.3	1.4	1.24	1.24	13.0	14	383	417	12.1	0.051	0.15	39	33	34	26	31	27		0.21	
666ER16XX	2.5	1	0.7	0.3	0.3	1.4	1.24	1.24	14.0	15	431	486	7.41	0.058	0.18	50	44	43	37	43	38		0.36	
666ER19XX	4	1	0.7	0.3	0.3	1.4	1.24	1.24	15.0	16	520	588	4.61	0.065	0.22	66	55	55	47	59	49		0.57	
666ER23XX	6	1	0.7	0.3	0.3	1.4	1.24	1.24	16.0	17	610	680	3.08	0.071	0.25	84	69	68	57	74	64		0.86	
667ER27XX	10	6	0.7	0.3	0.3	1.4	1.24	1.24	17.0	19	760	864	1.83	0.081	0.31	110	92	92	74	101	88		1.4	
667WF28XX	16	6	0.7	0.3	0.3	4x0.8	1.4	1.40	18.0	19	790	850	1.15	0.088	0.36	142	118	117	97	137	118		2.3	
667WF30XX	25	6	0.9	0.3	0.3	4x0.8	1.4	1.40	19.0	21	950	1245	0.727	0.089	0.41	181	151	150	123	177	151		3.6	
667WF32XX	35	6	0.9	0.3	0.3	4x0.8	1.4	1.40	21.0	23	1085	1581	0.524	0.096	0.47	219	183	179	149	218	199		5	
667WF34XX	50	6	1.0	0.3	0.3	4x0.8	1.4	1.40	23.0	26	1460	1949	0.387	0.098	0.50	260	215	212	174	267	228		7.1	
667WF37XX	70	12	1.1	0.3	0.4	4x0.8	1.56	1.56	26.0	30	1950	2696	0.268	0.100	0.53	320	267	262	215	342	291		10	
667WF38XX	95	15	1.1	0.4	0.4	4x0.8	1.56	1.56	29.0	33	2500	3468	0.193	0.110	0.61	378	316	307	255	416	352		13.6	
667WF41XX	120	18	1.2	0.4	0.4	4x0.8	1.56	1.56	31.0	36	3050	4227	0.153	0.110	0.63	431	360	349	287	485	410		17.1	
667WF42XX	150	18	1.4	0.4	0.5	4x0.8	1.72	1.72	35.0	40	3650	5209	0.124	0.110	0.64	486	407	394	324	559	472		21.4	
667WF44XX	185	30	1.6	0.5	0.5	4x0.8	1.72	1.88	38.0	45	4440	6331	0.0991	0.110	0.65	544	456	442	362	641	540		26.4	
667WF46XX	240	34	1.7	0.5	0.6	4x0.8	1.88	2.04	41.0	50	5486	7933	0.0754	0.110	0.66	629	527	509	417	758	637		34.3	
667WF48XX	300	34	1.8	0.6	0.6	4x0.8	2.04	2.20	47.0	53	6990	9950	0.0601	0.120	0.67	711	593	575	470	876	735		42.9	
667WF49XX	400	53	2.0	0.6	0.7	4x0.8	2.36	2.52	52.0	58	9030	12836	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.

