

## TECHNICAL SPECIFICATIONS OF LT AERIAL BUNCHED CABLES

### XLPE INSULATED + BARE MESSENGER

A B CABLE DESCRIPTION	NO. OF STRANDS			WIRE DIAMETER (MM)			THICKNESS OF INSULATION (MM)			MAX. DC RESISTANCE AT 20°C(OHMS/KM)			MIN. BREAKING LOAD OF MESSENGER R (KN)	APPROX OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT CARRYING CAPACITY AT 40°C (AMP)
	Phase	Street Light	Messenger	Phase	Street Light	Messenger	Phase	Street Light	Messenger	Phase	Street Light	Messenger				
1CX16+25 sqmm	7		7	1.71		2.12	1.20			1.91		1.38	7.0	13.6	128	72
3CX16+25 sqmm	7		7	1.71		2.12	1.20			1.91		1.38	7.0	17.3	250	64
1CX16+16+25 sqmm	7	7	7	1.71	1.71	2.12	1.20	1.20		1.91	1.91	1.38	7.0	15.2	190	72
3CX16+16+25 sqmm	7	7	7	1.71	1.71	2.12	1.20	1.20		1.91	1.91	1.38	7.0	19.0	315	64
1CX25+25 sqmm	7		7	2.12		2.12	1.20			1.20		1.38	7.0	14.9	156	99
3CX25+25 sqmm	7		7	2.12		2.12	1.20			1.20		1.38	7.0	19.2	336	84
1CX25+16+25 sqmm	7	7	7	2.12	1.71	2.12	1.20	1.20		1.20	1.91	1.38	7.0	15.9	220	99
3CX25+16+25 sqmm	7	7	7	2.12	1.71	2.12	1.20	1.20		1.20	1.91	1.38	7.0	21.1	401	84
1CX35+25 sqmm	7		7	2.52		2.12	1.20			0.868		1.38	7.0	15.7	190	120
3CX35+25 sqmm	7		7	2.52		2.12	1.20			0.868		1.38	7.0	20.9	440	105
1CX35+16+25 sqmm	7	7	7	2.52	1.71	2.12	1.20	1.20		0.868	1.91	1.38	7.0	16.5	254	120
3CX35+16+25 sqmm	7	7	7	2.52	1.71	2.12	1.20	1.20		0.868	1.91	1.38	7.0	22.5	502	105
1CX50+35 sqmm	7		7	3.02		2.52	1.50			0.641		0.986	9.8	18.9	275	150
3CX50+35 sqmm	7		7	3.02		2.52	1.50			0.641		0.986	9.8	28.8	635	130
1CX50+16+35 sqmm	7	7	7	3.02	1.71	2.52	1.50	1.20		0.641	1.91	0.986	9.8	19.8	337	150
3CX50+16+35 sqmm	7	7	7	3.02	1.71	2.52	1.50	1.20		0.641	1.91	0.986	9.8	30.6	702	130
1CX70+50 sqmm	19		7	2.17		3.02	1.50			0.443		0.689	14.0	21.2	380	168
3CX70+50 sqmm	19		7	2.17		3.02	1.50			0.443		0.689	14.0	30.3	870	155
1CX70+16+50 sqmm	19	7	7	2.17	1.71	3.02	1.50	1.20		0.443	1.91	0.689	14.0	22.6	442	168
3CX70+16+50 sqmm	19	7	7	2.17	1.71	3.02	1.50	1.20		0.443	1.91	0.689	14.0	32.5	930	155
1CX95+70 sqmm	19		7	2.52		3.57	1.50			0.320		0.492	19.7	25.5	514	188
3CX95+70 sqmm	19		7	2.52		3.57	1.50			0.320		0.492	19.7	35.2	1162	172
1CX95+16+70 sqmm	19	7	7	2.52	1.71	3.57	1.50	1.20		0.320	1.91	0.492	19.7	28.8	576	188
3CX95+16+70 sqmm	19	7	7	2.52	1.71	3.57	1.50	1.20		0.320	1.91	0.492	19.7	37.8	1224	172
1CX120+70 sqmm	19		7	2.84		3.57	1.50			0.253		0.492	19.7	27.3	592	202
3CX120+70 sqmm	19		7	2.84		3.57	1.50			0.253		0.492	19.7	40.6	1390	195
1CX120+16+70 sqmm	19	7	7	2.84	1.71	3.57	1.50	1.20		0.253	1.91	0.492	19.7	31.1	658	202
3CX120+16+70 sqmm	19	7	7	2.84	1.71	3.57	1.50	1.20		0.253	1.91	0.492	19.7	43.0	1458	195

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### XLPE INSULATED+PVC SHEATHED & XLPE INSULATED MESSENGER

A B CABLE DESCRIPTION	NO. OF STRANDS			WIRE DIAMETER (MM)			THICKNESS OF INSULATION (MM)			MAX. DC RESISTANCE AT 20°C(OHMS/KM)			MIN. BREAKING LOAD OF MESSENGER (KN)	APPROX OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT CARRYING CAPACITY AT 40°C (AMP)
	Phase	Street Light	Messenger	Phase	Street Light	Messenger	Phase	Street Light	Messenger	Phase	Street Light	Messenger				
1CX16+25 sqmm	7		7	1.71		2.12	1.20		1.20	1.91		1.38	7.0	15.8	187	72
3CX16+25 sqmm	7		7	1.71		2.12	1.20		1.20	1.91		1.38	7.0	22.6	380	64
1CX16+16+25 sqmm	7	7	7	1.71	1.71	2.12	1.20	1.20	1.20	1.91	1.91	1.38	7.0	18.3	282	72
3CX16+16+25 sqmm	7	7	7	1.71	1.71	2.12	1.20	1.20	1.20	1.91	1.91	1.38	7.0	25.5	475	64
1CX25+25 sqmm	7		7	2.12		2.12	1.20		1.20	1.20		1.38	7.0	16.8	220	99
3CX25+25 sqmm	7		7	2.12		2.12	1.20		1.20	1.20		1.38	7.0	26.8	480	84
1CX25+16+25 sqmm	7	7	7	2.12	1.71	2.12	1.20	1.20	1.20	1.20	1.91	1.38	7.0	19.7	316	99
3CX25+16+25 sqmm	7	7	7	2.12	1.71	2.12	1.20	1.20	1.20	1.20	1.91	1.38	7.0	28.3	576	84
1CX35+25 sqmm	7		7	2.52		2.12	1.20		1.20	0.868		1.38	7.0	17.4	260	120
3CX35+25 sqmm	7		7	2.52		2.12	1.20		1.20	0.868		1.38	7.0	26.6	600	105
1CX35+16+25 sqmm	7	7	7	2.52	1.71	2.12	1.20	1.20	1.20	0.868	1.91	1.38	7.0	20.2	355	120
3CX35+16+25 sqmm	7	7	7	2.52	1.71	2.12	1.20	1.20	1.20	0.868	1.91	1.38	7.0	30.5	695	105
1CX50+35 sqmm	7		7	3.02		2.52	1.50		1.20	0.641		0.986	9.8	22.9	358	150
3CX50+35 sqmm	7		7	3.02		2.52	1.50		1.20	0.641		0.986	9.8	34.8	827	130
1CX50+16+35 sqmm	7	7	7	3.02	1.71	2.52	1.50	1.20	1.20	0.641	1.91	0.986	9.8	23.4	456	150
3CX50+16+35 sqmm	7	7	7	3.02	1.71	2.52	1.50	1.20	1.20	0.641	1.91	0.986	9.8	36.8	922	130
1CX70+50 sqmm	19		7	2.17		3.02	1.50		1.30	0.443		0.689	14.0	23.0	478	168
3CX70+50 sqmm	19		7	2.17		3.02	1.50		1.30	0.443		0.689	14.0	36.3	1080	155
1CX70+16+50 sqmm	19	7	7	2.17	1.71	3.02	1.50	1.20	1.30	0.443	1.91	0.689	14.0	26.4	575	168
3CX70+16+50 sqmm	19	7	7	2.17	1.71	3.02	1.50	1.20	1.30	0.443	1.91	0.689	14.0	38.2	1175	155
1CX95+70 sqmm	19		7	2.52		3.57	1.50		1.30	0.320		0.492	19.7	27.6	644	188
3CX95+70 sqmm	19		7	2.52		3.57	1.50		1.30	0.320		0.492	19.7	41.9	1422	172
1CX95+16+70 sqmm	19	7	7	2.52	1.71	3.57	1.50	1.20	1.30	0.320	1.91	0.492	19.7	32.5	740	188
3CX95+16+70 sqmm	19	7	7	2.52	1.71	3.57	1.50	1.20	1.30	0.320	1.91	0.492	19.7	44.6	1515	172
1CX120+70 sqmm	19		7	2.84		3.57	1.50		1.30	0.253		0.492	19.7	29.0	720	202
3CX120+70 sqmm	19		7	2.84		3.57	1.50		1.30	0.253		0.492	19.7	44.8	1675	195
1CX120+16+70 sqmm	19	7	7	2.84	1.71	3.57	1.50	1.20	1.30	0.253	1.91	0.492	19.7	33.4	822	202
3CX120+16+70 sqmm	19	7	7	2.84	1.71	3.57	1.50	1.20	1.30	0.253	1.91	0.492	19.7	48.9	1780	195

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