

# LSZH Fire Resistant Instrumentation Cables

500V Pair(s) or Triad(s)

Mica Tape, XLPE Insulated, Overall Screen, Unarmoured & Armoured, LSZH Sheathed Cable

Description: CU/MT/XLPE/OS/LSZH-AT-UV or CU/MT/XLPE/OS/LSZH/SWA/LSZH-AT-UV

Model Code: MXOL-AT-UV or MXOLSL-AT-UV



Application :	This cable is intended for use in manufacturing and processing application for emergency services such as fire detection, fire alarm, and PA systems, where signal has to be assured in the event of a fire.
Voltage rating :	500V
Construction :	Plain annealed copper (IEC 60228 Class 2), mica tape fire barrier, XLPE insulated, overall screen (aluminium/polyester tape with tinned copper drain wire), unarmoured or galvanized steel wire armoured, anti-termite and UV resistant LSZH sheathed cable
Insulation colour :	Pair(s) : Black, White (or with numbering) Triad(s) : Red, Black, White (or with numbering)
Sheath colour :	Orange (other colour upon request) Blue (for intrinsically safe system upon request)
Specification :	BS EN 50288-7, SS 299-1:1998, BS 6387, IEC 60331-21, IEC 60332-1-2, IEC 60332-3, IEC 60754, IEC 61034-2
Operating temperature :	90°C

No. of Pair(s)/ Triad(s)	Conductor		Insulation Thickness (mm)	Unarmoured Cable			Armoured Cable		
	Nominal Area (mm <sup>2</sup> )	No./Diam. of Strand (no./mm)		Part No.	Approx. Overall Diam.	Approx. Weight	Part No.	Approx. Overall Diam.	Approx. Weight
					(mm)	(kg/km)		(mm)	(kg/km)
1P				<b>041P4647</b>	8.9	85	<b>041P4067</b>	14.4	355
2P				<b>042P4647</b>	13.7	155	<b>042P4067</b>	18.9	525
4P				<b>044P4647</b>	16.3	230	<b>044P4067</b>	21.4	645
6P				<b>046P4647</b>	19.7	320	<b>046P4067</b>	25.4	970
8P				<b>048P4647</b>	21.8	385	<b>048P4067</b>	27.6	1110
10P				<b>040P4647</b>	24.8	480	<b>040P4067</b>	30.6	1295
12P				<b>04BP4647</b>	25.6	530	<b>04BP4067</b>	32.4	1570
16P				<b>04FP4647</b>	27.4	650	<b>04FP4067</b>	35.1	1695
20P				<b>04KP4647</b>	31.7	800	<b>04KP4067</b>	38.7	2100
24P	0.5	7/0.31	0.6	<b>04RP4647</b>	35.3	960	<b>04RP4067</b>	42.9	2705
36P				<b>04P24647</b>	40.6	1315	<b>04P24067</b>	48.5	3320
1T				<b>041T4647</b>	9.4	100	<b>041T4067</b>	15.3	385
2T				<b>042T4647</b>	15.4	200	<b>042T4067</b>	20.6	610
4T				<b>044T4647</b>	18.1	300	<b>044T4067</b>	23.8	890
6T				<b>046T4647</b>	21.8	420	<b>046T4067</b>	27.6	1135
10T				<b>040T4647</b>	27.7	645	<b>040T4067</b>	34.4	1760
12T				<b>04BT4647</b>	28.8	735	<b>04BT4067</b>	35.7	1905
16T				<b>04FT4647</b>	31.0	915	<b>04FT4067</b>	38.9	2210
24T				<b>04RT4647</b>	40.0	1350	<b>04RT4067</b>	47.8	3320

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No. of Pair(s)/Triad(s)	Conductor		Insulation Thickness (mm)	Unarmoured Cable			Armoured Cable		
	Nominal Area (mm <sup>2</sup> )	No./Diam. of Strand (mm)		Part No.	Approx. Overall Diam. (mm)	Approx. Weight (kg/km)	Part No.	Approx. Overall Diam. (mm)	Approx. Weight (kg/km)
1P	0.75	7/0.37	0.6	<b>051P4647</b>	9.3	95	<b>051P4067</b>	15.2	380
2P				<b>052P4647</b>	14.6	180	<b>052P4067</b>	19.8	565
4P				<b>054P4647</b>	17.1	265	<b>054P4067</b>	22.7	825
6P				<b>056P4647</b>	20.5	365	<b>056P4067</b>	26.3	1040
8P				<b>058P4647</b>	23.2	455	<b>058P4067</b>	28.9	1215
10P				<b>050P4647</b>	26.1	550	<b>050P4067</b>	32.7	1610
12P				<b>05BP4647</b>	26.9	610	<b>05BP4067</b>	33.5	1705
16P				<b>05FP4647</b>	30.0	775	<b>05FP4067</b>	36.9	2005
20P				<b>05KP4647</b>	33.5	950	<b>05KP4067</b>	40.4	2305
24P				<b>05RP4647</b>	37.3	1140	<b>05RP4067</b>	45.2	2985
36P				<b>05P24647</b>	42.8	1570	<b>05P24067</b>	51.0	3680
1T				<b>051T4647</b>	9.8	115	<b>051T4067</b>	15.7	405
2T				<b>052T4647</b>	16.3	230	<b>052T4067</b>	21.4	650
4T				<b>054T4647</b>	19.2	345	<b>054T4067</b>	25.1	985
6T				<b>056T4647</b>	22.8	480	<b>056T4067</b>	28.6	1220
10T				<b>050T4647</b>	29.4	760	<b>050T4067</b>	36.3	1950
12T	<b>05BT4647</b>	30.4	850	<b>05BT4067</b>	37.3	2085			
16T	<b>05FT4647</b>	33.8	1085	<b>05FT4067</b>	40.8	2455			
24T	<b>05RT4647</b>	42.3	1595	<b>05RT4067</b>	50.3	3690			
1P	1	7/0.43	0.6	<b>061P4647</b>	9.7	100	<b>061P4067</b>	15.5	395
2P				<b>062P4647</b>	15.2	205	<b>062P4067</b>	20.3	595
4P				<b>064P4647</b>	17.9	295	<b>064P4067</b>	23.5	875
6P				<b>066P4647</b>	21.4	410	<b>066P4067</b>	27.2	1115
8P				<b>068P4647</b>	24.2	520	<b>068P4067</b>	29.9	1315
10P				<b>060P4647</b>	27.2	630	<b>060P4067</b>	33.9	1725
12P				<b>06BP4647</b>	28.4	715	<b>06BP4067</b>	35.0	1855
16P				<b>06FP4647</b>	31.4	890	<b>06FP4067</b>	38.3	2170
20P				<b>06KP4647</b>	35.1	1100	<b>06KP4067</b>	43.0	2825
24P				<b>06RP4647</b>	39.2	1320	<b>06RP4067</b>	47.0	3230
36P				<b>06P24647</b>	45.0	1820	<b>06P24067</b>	54.1	4515
1T				<b>061T4647</b>	10.2	120	<b>061T4067</b>	16.1	430
2T				<b>062T4647</b>	16.8	255	<b>062T4067</b>	22.0	690
4T				<b>064T4647</b>	19.1	400	<b>064T4067</b>	25.9	1065
6T				<b>066T4647</b>	24.0	555	<b>066T4067</b>	29.8	1340
10T				<b>060T4647</b>	30.7	870	<b>060T4067</b>	37.7	2125
12T	<b>06BT4647</b>	31.8	980	<b>06BT4067</b>	38.7	2270			
16T	<b>06FT4647</b>	35.5	1250	<b>06FT4067</b>	43.4	3005			
24T	<b>06RT4647</b>	44.3	1860	<b>06RT4067</b>	53.5	4505			

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	Nominal Area (mm <sup>2</sup> )	No./Diam. of Strand (mm)		Part No.	Approx. Overall Diam. (mm)	Approx. Weight (kg/km)	Part No.	Approx. Overall Diam. (mm)	Approx. Weight (kg/km)
1P	1.5	7/0.53	0.6	<b>071P4647</b>	10.2	115	<b>071P4067</b>	16.1	425
2P				<b>072P4647</b>	16.3	235	<b>072P4067</b>	22.0	775
4P				<b>074P4647</b>	19.3	360	<b>074P4067</b>	25.1	1010
6P				<b>076P4647</b>	23.1	510	<b>076P4067</b>	28.8	1260
8P				<b>078P4647</b>	25.9	635	<b>078P4067</b>	32.5	1680
10P				<b>070P4647</b>	29.4	790	<b>070P4067</b>	36.3	1980
12P				<b>07BP4647</b>	30.4	880	<b>07BP4067</b>	37.3	2120
16P				<b>07FP4647</b>	33.9	1125	<b>07FP4067</b>	41.0	2520
20P				<b>07KP4647</b>	38.0	1390	<b>07KP4067</b>	45.8	3265
24P				<b>07RP4647</b>	42.3	1675	<b>07RP4067</b>	50.4	3760
36P				<b>07P24647</b>	48.8	2350	<b>07P24067</b>	58.1	5305
1T				<b>071T4647</b>	10.8	150	<b>071T4067</b>	16.7	465
2T				<b>072T4647</b>	18.3	315	<b>072T4067</b>	24.3	925
4T				<b>074T4647</b>	21.4	485	<b>074T4067</b>	27.2	1185
6T				<b>076T4647</b>	25.8	685	<b>076T4067</b>	32.4	1735
10T				<b>070T4647</b>	33.2	1100	<b>070T4067</b>	40.1	2450
12T	<b>07BT4647</b>	34.3	1240	<b>07BT4067</b>	41.4	2660			
16T	<b>07FT4647</b>	40.6	1730	<b>07FT4067</b>	46.2	3480			
24T	<b>07RT4647</b>	48.1	2400	<b>07RT4067</b>	57.3	5300			
1P	2.5	7/0.67	0.7	<b>081P4647</b>	11.6	160	<b>081P4067</b>	17.8	500
2P				<b>082P4647</b>	18.5	310	<b>082P4067</b>	24.5	940
4P				<b>084P4647</b>	22.0	490	<b>084P4067</b>	28.0	1215
6P				<b>086P4647</b>	26.3	690	<b>086P4067</b>	33.2	1770
8P				<b>088P4647</b>	29.8	880	<b>088P4067</b>	36.6	2095
10P				<b>080P4647</b>	33.9	1105	<b>080P4067</b>	40.9	2495
12P				<b>08BP4647</b>	35.1	1250	<b>08BP4067</b>	42.9	2970
16P				<b>08FP4647</b>	39.1	1590	<b>08FP4067</b>	47.2	3543
20P				<b>08KP4647</b>	43.9	1960	<b>08KP4067</b>	53.1	4630
24P				<b>08RP4647</b>	49.0	2380	<b>08RP4067</b>	58.6	5365
36P				<b>08P24647</b>	56.6	3360	<b>08P24067</b>	66.6	6845
1T				<b>081T4647</b>	12.4	200	<b>081T4067</b>	18.5	560
2T				<b>082T4647</b>	21.0	315	<b>082T4067</b>	26.8	1110
4T				<b>084T4647</b>	24.7	670	<b>084T4067</b>	30.7	1495
6T				<b>086T4647</b>	29.6	955	<b>086T4067</b>	36.5	2155
10T				<b>080T4647</b>	38.3	1540	<b>080T4067</b>	46.4	3445
12T	<b>08BT4647</b>	39.6	1755	<b>08BT4067</b>	47.7	3730			
16T	<b>08FT4647</b>	44.4	2285	<b>08FT4067</b>	53.7	4965			
24T	<b>08RT4647</b>	55.4	3395	<b>08RT4067</b>	65.5	6835			

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