

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 ²)	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				041P4647	8.9	85	041P4067	14.4	355
2P				042P4647	13.7	155	042P4067	18.9	525
4P				044P4647	16.3	230	044P4067	21.4	645
6P				046P4647	19.7	320	046P4067	25.4	970
8P				048P4647	21.8	385	048P4067	27.6	1110
10P				040P4647	24.8	480	040P4067	30.6	1295
12P				04BP4647	25.6	530	04BP4067	32.4	1570
16P				04FP4647	27.4	650	04FP4067	35.1	1695
20P				04KP4647	31.7	800	04KP4067	38.7	2100
24P	0.5	7/0.31	0.6	04RP4647	35.3	960	04RP4067	42.9	2705
36P				04P24647	40.6	1315	04P24067	48.5	3320
1T				041T4647	9.4	100	041T4067	15.3	385
2T				042T4647	15.4	200	042T4067	20.6	610
4T				044T4647	18.1	300	044T4067	23.8	890
6T				046T4647	21.8	420	046T4067	27.6	1135
10T				040T4647	27.7	645	040T4067	34.4	1760
12T				04BT4647	28.8	735	04BT4067	35.7	1905
16T				04FT4647	31.0	915	04FT4067	38.9	2210
24T				04RT4647	40.0	1350	04RT4067	47.8	3320

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

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

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