

LSZH Flame Retardant Instrumentation Cables

500V Pair(s) or Triad(s)

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

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

Model Code: XOL-AT-UV or XOLSL-AT-UV



Application :	This cable is used for the transmission of analogue and digital signals in machineries with measurement instruments and control systems.
Voltage rating :	500V
Construction :	Plain annealed copper (IEC 60228 Class 2), XLPE insulated, twisted pair(s) or triad(s), 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 :	Black (other colour upon request) Blue (for intrinsically safe system upon request)
Specification :	BS EN 50288-7, 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. (mm)	Approx. Weight (kg/km)	Part No.	Approx. Overall Diam. (mm)	Approx. Weight (kg/km)
1P	0.5	7/0.31	0.6	041P6141	7.3	70	041P6787	12.0	275
2P				042P6141	10.1	105	042P6787	15.2	385
4P				044P6141	12.0	155	044P6787	16.9	480
6P				046P6141	14.4	215	046P6787	19.7	600
8P				048P6141	16.1	260	048P6787	21.5	685
10P				040P6141	18.4	320	040P6787	24.4	935
12P				048P6141	18.9	360	048P6787	25.2	1000
16P				04FP6141	21.0	435	04FP6787	27.2	1150
20P				04KP6141	23.5	535	04KP6787	29.9	1340
24P				04RP6141	26.2	650	04RP6787	33.2	1725
36P				04P26141	30.1	880	04P26787	37.4	2130
1T				041T6141	7.4	75	041T6787	12.4	295
2T				042T6141	11.6	140	042T6787	16.7	450
4T				044T6141	13.4	205	044T6787	18.6	550
6T				046T6141	16.0	285	046T6787	21.4	705
10T				040T6141	20.5	435	040T6787	26.8	1125
12T	04BT6141	21.5	495	04BT6787	27.7	1215			
16T	04FT6141	23.7	610	04FT6787	29.1	1600			
24T	04RT6141	29.6	905	04RT6787	36.8	2130			

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	Nominal Area (mm ²)	No./Diam. of Strand (mm)		Part No.	Approx. Overall Diam.	Approx. Weight	Part No.	Approx. Overall Diam.	Approx. Weight
					(mm)	(kg/km)		(mm)	(mm)
1P	0.75	7/0.37	0.6	051P6141	7.5	75	051P6787	12.6	295
2P				052P6141	11.0	130	052P6787	16.2	430
4P				054P6141	12.8	180	054P6787	17.9	520
6P				056P6141	15.5	255	056P6787	20.7	660
8P				058P6141	17.6	325	058P6787	22.7	905
10P				050P6141	19.6	390	050P6787	25.8	1050
12P				05BP6141	20.4	435	05BP6787	26.4	1115
16P				05FP6141	22.7	540	05FP6787	29.0	1320
20P				05KP6141	25.5	670	05KP6787	32.4	1525
24P				05RP6141	28.4	805	05RP6787	35.5	1985
36P				05P26141	32.6	1100	05P26787	39.8	2450
1T				051T6141	8.0	85	051T6787	12.8	315
2T				052T6141	12.3	160	052T6787	17.4	490
4T				054T6141	14.6	245	054T6787	19.9	630
6T				056T6141	17.3	340	056T6787	22.6	785
10T				050T6141	22.2	530	050T6787	28.7	1285
12T	05BT6141	23.0	595	05BT6787	29.3	1380			
16T	05FT6141	25.7	760	05FT6787	32.6	1825			
24T	05RT6141	32.0	1110	05RT6787	39.4	2470			
1P	1	7/0.43	0.6	061P6141	7.9	80	061P6787	12.7	305
2P				062P6141	11.7	145	062P6787	16.8	460
4P				064P6141	13.6	210	064P6787	18.7	565
6P				066P6141	16.4	295	066P6787	21.6	720
8P				068P6141	18.6	375	068P6787	24.5	995
10P				060P6141	21.0	455	060P6787	27.0	1155
12P				06BP6141	22.0	520	06BP6787	27.9	1250
16P				06FP6141	24.3	645	06FP6787	30.4	1465
20P				06KP6141	27.2	790	06KP6787	34.2	1915
24P				06RP6141	30.3	955	06RP6787	37.2	2205
36P				06P26141	34.6	1325	06P26787	42.8	3075
1T				061T6141	8.3	95	061T6787	13.2	330
2T				062T6141	12.9	185	062T6787	18.1	525
4T				064T6141	15.3	285	064T6787	20.6	695
6T				066T6141	18.6	400	066T6787	24.4	1015
10T				060T6141	23.8	630	060T6787	29.9	1435
12T	06BT6141	24.6	710	06BT6787	30.8	1540			
16T	06FT6141	27.4	905	06FT6787	34.5	2055			
24T	06RT6141	34.2	1350	06RT6787	42.2	3055			

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	Nominal Area (mm ²)	No./Diam. of Strand (mm)		Part No.	Approx. Overall Diam.	Approx. Weight	Part No.	Approx. Overall Diam.	Approx. Weight
					(mm)	(kg/km)		(mm)	(mm)
1P	1.5	7/0.53	0.6	071P6141	8.6	95	071P6787	13.7	335
2P				072P6141	12.6	180	072P6787	17.8	510
4P				074P6141	15.1	275	074P6787	20.5	675
6P				076P6141	18.1	390	076P6787	24.1	990
8P				078P6141	20.2	480	078P6787	26.4	1165
10P				070P6141	23.1	595	070P6787	29.4	1390
12P				07BP6141	23.9	670	07BP6787	30.3	1490
16P				07FP6141	26.6	855	07FP6787	33.9	1960
20P				07KP6141	29.8	1055	07KP6787	37.1	2305
24P				07RP6141	33.4	1275	07RP6787	41.5	2950
36P				07P26141	38.4	1795	07P26787	46.8	3745
1T				071T6141	9.2	115	071T6787	14.2	370
2T				072T6141	14.5	235	072T6787	19.8	620
4T				074T6141	16.8	370	074T6787	22.1	925
6T				076T6141	20.2	520	076T6787	26.4	1200
10T				070T6141	26.1	830	070T6787	33.2	1905
12T				07BT6141	27.0	945	07BT6787	34.2	2070
16T				07FT6141	30.3	1220	07FT6787	37.4	2470
24T	07RT6141	37.8	1830	07RT6787	46.4	3750			
1P	2.5	7/0.67	0.7	081P6141	10.0	125	081P6787	15.1	410
2P				082P6141	15.0	240	082P6787	20.2	645
4P				084P6141	17.8	385	084P6787	24.0	990
6P				086P6141	21.3	540	086P6787	27.7	1270
8P				088P6141	24.2	700	088P6787	30.6	1520
10P				080P6141	27.6	870	080P6787	34.8	2020
12P				08BP6141	28.6	990	08BP6787	35.7	2180
16P				08FP6141	32.0	1265	08FP6787	39.4	2605
20P				08KP6141	35.8	1570	08KP6787	44.2	3400
24P				08RP6141	40.1	1905	08RP6787	48.7	3955
36P				08P26141	45.4	2710	08P26787	56.2	5600
1T				081T6141	10.7	160	081T6787	15.9	455
2T				082T6141	16.9	325	082T6787	22.2	775
4T				084T6141	20.0	530	084T6787	26.2	1210
6T				086T6141	24.2	760	086T6787	30.5	1580
10T				080T6141	31.3	1235	080T6787	38.6	2545
12T				08BT6141	32.4	1405	08BT6787	39.7	2765
16T				08FT6141	36.4	1835	08FT6787	44.6	3670
24T	08RT6141	45.5	2735	08RT6787	55.4	5580			

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