

LSZH Fire Resistant Cables

600/1000V 2-Core ~ 4-Core

Mica Tape Fire Barrier, XLPE Insulation, Unarmoured & Armoured,
LSZH Sheathed Fire Resistant Cable

CU/MICA/XLPE/LSZH or CU/MICA/XLPE/LSZH/SWA/LSZH



Application :	This cable is designed for areas where the integrity of the electrical circuit is critical in maintaining power supply. Applications can be found in emergency lightings, control and power circuits, power stations, fire alarm systems, underground tunnels, communications systems, sewage treatment plants, lifts, escalators, and high-rise buildings.
Voltage rating :	600/1000V
Construction :	Plain annealed copper, mica tape fire barrier, XLPE or XLEVA compound insulated, galvanized steel wires armoured, LSZH compound sheathed cable.
Insulation colour :	2-Core: (Brown & Blue) 3-Core: (Brown, Black & Grey) 4-Core: (Brown, Black, Grey & Blue) 5-Core & above: (Black [XLPE] / Natural [LSZH Compound]) or as per order
Sheath colour :	Orange or as per order
Specification :	BS7846, BS6387, SS299, IEC60331, IEC60332-1, IEC60332-3, IEC60754, IEC61034

2-CORE

Conductor			Insulation	Unarmoured Cable		Armoured Cable	
Nominal Area	No./Dia. Of Strand	Dia. Of Conductor	Thickness	Approx. Overall Dia.	Approx. Weight	Approx. Overall Dia.	Approx. Weight
mm ²	No./mm	mm	mm	mm	kg/km	mm	kg/km
1.5	7/0.53	1.59	0.7	12.2	150	15.3	390
2.5	7/0.67	2.01	0.7	12.6	180	16.5	450
4	7/0.85	2.55	0.7	14.7	250	17.6	525
6	7/1.04	3.12	0.7	16.2	290	18.8	620
10	7/1.35	4.05	0.7	17.1	450	21.0	800
16	7/1.70	5.10	0.7	19.2	550	23.0	1100
25	7/2.14	6.42	0.9	20.0	680	27.0	1480
35	19/1.53	7.65	0.9	22.0	940	30.0	2000
50	19/1.78	8.90	1.0	24.0	1250	33.0	2450
70	19/2.14	10.70	1.1	27.0	1700	37.0	3200

Current rating and voltage drop

For Unarmoured Cable, please refer to Tables 2 & 3 (Page 50)
For Armoured Cable, please refer to Tables 8 & 9 (Page 53)

(cs) : Circular Stranded Conductor
(s) : Circular Compacted Stranded Conductor

LSZH Fire Resistant Cables

600/1000V 2-Core ~ 4-Core

Mica Tape Fire Barrier, XLPE Insulation, Unarmoured & Armoured,
LSZH Sheathed Fire Resistant Cable

CU/MICA/XLPE/LSZH or CU/MICA/XLPE/LSZH/SWA/LSZH

3-CORE							
Conductor			Insulation	Unarmoured Cable		Armoured Cable	
Nominal Area	No./Dia. Of Strand	Dia. Of Conductor	Thickness	Approx. Overall Dia.	Approx. Weight	Approx. Overall Dia.	Approx. Weight
mm ²	No./mm	mm	mm	mm	kg/km	mm	kg/km
1.5	7/0.53	1.59	0.7	12.3	170	16.5	420
2.5	7/0.67	2.01	0.7	13.8	200	17.0	500
4	7/0.85	2.55	0.7	15.2	300	18.5	600
6	7/1.04	3.12	0.7	16.8	380	19.8	785
10	7/1.35	4.05	0.7	18.0	550	22.6	1030
16	7/1.70	5.10	0.7	21.0	760	25.0	1370
25	7/2.14	6.42	0.9	22.0	960	29.0	1900
35	19/1.53	7.65	0.9	24.0	1300	32.0	2300
50	19/1.78	8.90	1.0	28.0	1700	35.0	2900
70	19/2.14	10.70	1.1	31.0	2400	40.0	4000
95	19/2.52	12.60	1.1	36.0	3250	45.0	5400
120	37/2.03	14.21	1.2	38.0	4000	49.0	6450
150	37/2.25	15.75	1.4	42.0	5000	55.0	8200
185	37/2.52	17.64	1.6	47.0	6100	60.0	9800
240	61/2.25	20.25	1.7	52.0	8000	68.0	12300
300	61/2.52	22.68	1.8	59.0	9850	74.0	14800
400	61/2.85	25.65	2.0	63.0	13000	83.0	17600

4-CORE							
Conductor			Insulation	Unarmoured Cable		Armoured Cable	
Nominal Area	No./Dia. Of Strand	Dia. Of Conductor	Thickness	Approx. Overall Dia.	Approx. Weight	Approx. Overall Dia.	Approx. Weight
mm ²	No./mm	mm	mm	mm	kg/km	mm	kg/km
1.5	7/0.53	1.59	0.7	14.3	210	16.0	475
2.5	7/0.67	2.01	0.7	15.2	270	17.8	570
4	7/0.85	2.55	0.7	17.2	380	19.8	690
6	7/1.04	3.12	0.7	19.0	440	21.0	940
10	7/1.35	4.05	0.7	20.6	670	23.3	1200
16	7/1.70	5.10	0.7	23.6	820	26.5	1400
25	7/2.14	6.42	0.9	26.0	1320	30.5	2400
35	19/1.53	7.65	0.9	29.0	1730	34.0	2800
50	19/1.78	8.90	1.0	32.0	2300	38.0	3500
70	19/2.14	10.70	1.1	38.0	3180	44.0	5300
95	19/2.52	12.60	1.1	41.9	4370	48.5	6700
120	37/2.03	14.21	1.2	44.0	5400	54.0	8500
150	37/2.25	15.75	1.4	50.8	6500	59.0	10000
185	37/2.52	17.64	1.6	55.0	8200	64.5	12200
240	61/2.25	20.25	1.7	60.5	10600	74.0	15400
300	61/2.52	22.68	1.8	68.5	13200	82.0	19500
400	61/2.85	25.65	2.0	76.0	17000	92.0	25500

Current rating and voltage drop

For Unarmoured Cable, please refer to Tables 2 & 3 (Page 50)

For Armoured Cable, please refer to Tables 8 & 9 (Page 53)

(cs) : Circular Stranded Conductor

(s) : Circular Compacted Stranded Conductor