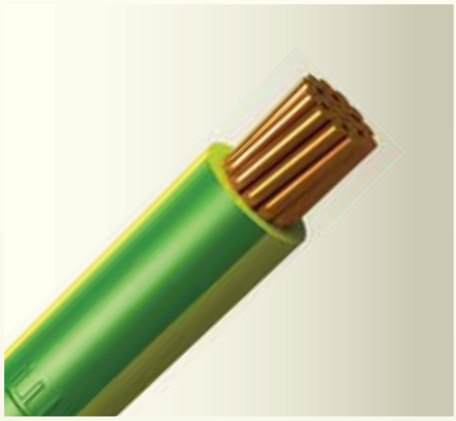
LSZH Flame Retardant Cables

KEYSTONE CABLE
tel (65) 6367 0107 fax (65) 6365 2963
www.keystone-cable.com

450/750V Single-Core
LSZH Insulated, Non-Sheathed, Flame Retardant Cable
CU/LSZH



Application :	This cable is mainly used in power stations, mass transit underground passenger systems, airports, petrochemical plants, hotels, hospitals, and high-rise buildings.
Voltage rating :	450/750V
Construction :	Plain annealed copper, XLEVA compound insulated, non-sheathed cable
Insulation colour :	Brown, Black, Grey, Blue, Orange, Green/Yellow or as per order
Specification :	BS7211, IEC60332-1, IEC60332-3, IEC60754, IEC61034

Conductor		Insulation	Approx. Overall Dia.	Approx. Weight
Nominal Area	No./Dia. Of Strand	Thickness		
mm^2	No./mm	mm	mm	kg/km
1.5	7/0.53	0.7	3.1	23
2.5	7/0.67	0.8	3.7	35
4	7/0.85	0.8	4.3	52
6	7/1.04	0.8	4.8	73
10	7/1.35	1.0	6.2	120
16	7/1.70	1.0	7.2	180
25	7/2.14	1.2	9.0	285
35	19/1.53	1.2	10.2	375
50	19/1.78	1.4	12.0	510
70	19/2.14	1.4	14.0	720
95	19/2.52	1.6	16.0	995
120	37/2.03	1.6	18.0	1230
150	37/2.25	1.8	20.0	1520
185	37/2.52	2.0	22.0	1900
240	61/2.25	2.2	25.0	2480
300	61/2.52	2.4	28.0	3100
400	61/2.85	2.6	31.5	3950
500	61/3.20	2.8	35.0	4950
630	127/2.52	2.8	39.0	6360

For current rating and voltage drop please refer to Tables 4 & 5 (Page 51)

LSZH Flame Retardant Cables

KEYSTONE CABLE
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600/1000V Single-Core
XLPE Insulated, Unarmoured & Armoured, LSZH Sheathed,
Flame Retardant Cable

CU/XLPE/LSZH or CU/XLPE/LSZH/AWA/LSZH

Application :	This cable is mainly used in power stations, mass transit underground passenger systems, airports, petrochemical plants, hotels, hospitals, and high-rise buildings.
Voltage rating :	600/1000V
Construction :	Plain annealed copper, XLPE or XLEVA compound insulated, unarmoured or aluminum wires armoured, LSZH compound sheathed cable
Insulation colour :	Natural
Sheath colour :	Black or as per order
Specification :	Refer BS6724, IEC60502-1, IEC60332-1, IEC60332-3, IEC60754, IEC61034

Conductor		Insulation	Unarmoured Cable		Armoured Cable	
Nominal Area	No./Dia. Of Strand	Thickness	Approx. Overall Dia.	Approx. Weight	Approx. Overall Dia.	Approx. Weight
mm^2	No./mm	mm	mm	kg/km	mm	kg/km
1.5	7/0.53	0.7	6.1	52	-	-
2.5	7/0.67	0.7	6.6	67	-	-
4	7/0.85	0.7	7.0	85	-	-
6	7/1.04	0.7	7.5	110	-	-
10	7/1.35	0.7	8.5	155	-	-
16	7/1.70	0.7	9.5	225	-	-
25	7/2.14	0.9	11.5	335	-	-
35	19/1.53	0.9	12.5	435	-	-
50	19/1.78	1.0	14.0	570	18.5	750
70	19/2.14	1.1	16.0	800	20.5	1000
95	19/2.52	1.1	18.0	1080	23.0	1340
120	37/2.03	1.2	20.0	1330	24.7	1620
150	37/2.25	1.4	22.0	1630	27.2	1970
185	37/2.52	1.6	24.5	2030	29.8	2410
240	61/2.25	1.7	27.5	2650	32.7	3000
300	61/2.52	1.8	30.5	3260	35.5	3700
400	61/2.85	2.0	34.0	4140	40.3	4750
500	61/3.20	2.2	39.0	5200	46.0	5900
630	127/2.52	2.4	44.0	6650	52.0	7350
800	127/2.85	2.6	49.0	8450	58.0	9500
1000	127/3.20	2.8	54.0	10600	63.0	11700

Current rating and voltage drop
For Unarmoured Cable, please refer to Tables 4 & 5 (Page 51)
For Armoured Cable, please refer to Tables 6 & 7 (Page 52)

LSZH Flame Retardant Cables

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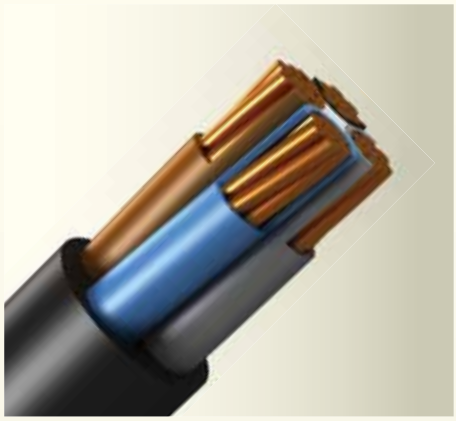
600/1000V 2-Core ~ 4-Core
XLPE Insulated, Unarmoured & Armoured, LSZH Sheathed,
Flame Retardant Cable
CU/XLPE/LSZH or CU/XLPE/LSZH/SWA/LSZH



Application :	This cable is mainly used in power stations, mass transit underground passenger systems, airports, petrochemical plants, hotels, hospitals, and high-rise buildings.
Voltage rating :	600/1000V
Construction :	Plain annealed copper, XLPE or XLEVA compound insulated, unarmoured or 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) or as per order
Sheath colour :	Black or as per order
Specification :	Refer BS6724, IEC60502-1, IEC60332-1, IEC60332-3, IEC60754, IEC61034

2-CORE					
Conductor	Insulation	Unarmoured Cable		Armoured Cable	
Nominal Area	Thickness	Approx. Overall Dia.	Approx. Weight	Approx. Overall Dia.	Approx. Weight
mm^2	mm	mm	kg/km	mm	kg/km
1.5	0.7	10.0	130	14.5	325
2.5	0.7	11.0	165	15.5	400
4	0.7	12.0	215	16.5	475
6	0.7	13.0	270	18.0	570
10	0.7	15.0	390	20.0	710
16	0.7	17.0	550	22.0	1040
25	0.9	20.4	670	26.0	1350
35(s)	0.9	22.7	880	23.5	1510

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)

(s) : Sector Shaped Stranded Conductors

LSZH Flame Retardant Cables

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600/1000V 2-Core ~ 4-Core
XLPE Insulated, Unarmoured & Armoured, LSZH Sheathed,
Flame Retardant Cable
CU/XLPE/LSZH or CU/XLPE/LSZH/SWA/LSZH

3-CORE					
Conductor	Insulation	Unarmoured Cable		Armoured Cable	
Nominal Area	Thickness	Approx. Overall Dia.	Approx. Weight	Approx. Overall Dia.	Approx. Weight
mm^2	mm	mm	kg/km	mm	kg/km
1.5	0.7	10.5	150	15.0	375
2.5	0.7	11.4	195	16.0	400
4	0.7	12.5	260	17.0	520
6	0.7	14.0	320	18.0	640
10	0.7	16.0	470	20.0	860
16	0.7	18.0	680	23.0	1220
25(s)	0.9	19.8	950	24.8	1630
35(s)	0.9	21.5	1260	26.5	2050
50(s)	1.0	25.5	1670	30.5	2590
70(s)	1.1	29.0	2340	35.8	3600
95(s)	1.1	32.0	3150	38.5	4590
120(s)	1.2	35.7	3930	42.5	5560
150(s)	1.4	40.5	4830	47.5	6920
185(s)	1.6	45.0	6050	52.0	8530
240(s)	1.7	53.5	8080	61.0	10900
300(s)	1.8	60.0	10070	68.0	13225
400(s)	2.0	65.5	12770	73.0	16200

4-CORE					
Conductor	Insulation	Unarmoured Cable		Armoured Cable	
Nominal Area	Thickness	Approx. Overall Dia.	Approx. Weight	Approx. Overall Dia.	Approx. Weight
mm^2	mm	mm	kg/km	mm	kg/km
1.5	0.7	11.5	180	15.5	410
2.5	0.7	12.5	230	16.5	495
4	0.7	14.0	315	18.0	610
6	0.7	15.5	395	20.0	810
10	0.7	17.5	590	22.7	1120
16	0.7	20.0	860	26.0	1480
25(s)	0.9	21.5	1225	27.0	1980
35(s)	0.9	25.0	1625	30.4	2480
50(s)	1.0	28.0	2200	33.0	3180
70(s)	1.1	32.0	3050	38.5	4500
95(s)	1.1	37.0	4110	43.0	5775
120(s)	1.2	42.0	5915	49.0	7450
150(s)	1.4	46.0	6350	53.0	8830
185(s)	1.6	50.5	7985	58.0	10805
240(s)	1.7	58.0	10595	65.0	13630
300(s)	1.8	64.0	13220	71.5	16530
400(s)	2.0	73.0	16805	78.1	21840

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)

(s) : Sector Shaped Stranded Conductors