



FIRE RESISTANT CABLE

LSZH FIRE RESISTANT CONTROL CABLE

APPLICATION

- Fire alarm systems
- Emergency lighting
- Data centers
- Public infrastructure

KEY FEATURES

- IEC60331 / BS6387 / EN50200
- LSZH low smoke
- High durability
- Standard signal integrity

STANDARDS

IEC60331 / BS6387 / EN50200 / IEC60332 /
IEC60754 / IEC61034

CABLE CONSTRUCTION

Item	Specification
Conductor	Stranded copper Class 2
Insulation	Ceramic silicone rubber
Fire barrier	Mica tape
Sheath	LSZH
Color	Orange RAL2003

INSTALLATION

Install: ≥0°C
Operate: -20~90°C
Bend radius: ≥6D

PRODUCT LIST

Part No.	Number of cores and mm2 per conductor	Outer diameter (mm)	Copper Index (kg/km)	Weight (kg/km)
42010210	2x1.0 mm ²	6.8	17.8	23.1
42010310	3x1.0 mm ²	7.8	26.7	34.7
42010410	4x1.0 mm ²	8.8	35.6	46.3
42010510	5x1.0 mm ²	10	44.5	57.9
42010710	7x1.0 mm ²	11.7	62.3	81

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42010810	8x1.0 mm ²	12.4	71.2	92.6
42011010	10x1.0 mm ²	14	89	115.7
42011210	12x1.0 mm ²	15.2	106.8	138.8
42011410	14x1.0 mm ²	16.4	124.6	162
42011610	16x1.0 mm ²	17.7	142.4	185.1
42011910	19x1.0 mm ²	19.4	169.1	219.8
42012410	24x1.0 mm ²	22.2	213.6	277.7
42010215	2x1.5 mm ²	7.5	26.7	34.7
42010315	3x1.5 mm ²	8.5	40.1	52.1
42010415	4x1.5 mm ²	9.7	53.4	69.4
42010515	5x1.5 mm ²	11	66.8	86.8
42010715	7x1.5 mm ²	12.7	93.5	121.5
42010815	8x1.5 mm ²	13.4	106.8	138.8
42011015	10x1.5 mm ²	15	133.5	173.6
42011215	12x1.5 mm ²	16.2	160.2	208.3
42011415	14x1.5 mm ²	17.5	186.9	243
42011615	16x1.5 mm ²	18.7	213.6	277.7
42011915	19x1.5 mm ²	20.4	253.7	329.8
42012415	24x1.5 mm ²	23.2	320.4	416.5
42010225	2x2.5 mm ²	8.8	44.5	57.9
42010325	3x2.5 mm ²	10	66.8	86.8
42010425	4x2.5 mm ²	11.2	89	115.7
42010525	5x2.5 mm ²	12.5	111.2	144.6
42010725	7x2.5 mm ²	14.2	155.8	202.5
42010825	8x2.5 mm ²	14.9	178	231.4
42011025	10x2.5 mm ²	16.5	222.5	289.2
42011225	12x2.5 mm ²	17.7	267	347.1
42011425	14x2.5 mm ²	19	311.5	404.9
42011625	16x2.5 mm ²	20.2	356	462.8
42011925	19x2.5 mm ²	21.9	422.8	549.6
42012425	24x2.5 mm ²	24.7	534	694.2

PERFORMANCE TABLE – FIRE RESISTANT CABLE

Parameter	Value	Standard
Rated Voltage	300/500V	IEC
Test Voltage	2000V	IEC
Fire Resistance	IEC60331	
Flame Retardant	IEC60332	
Halogen Free	IEC60754	
Smoke Density	IEC61034	