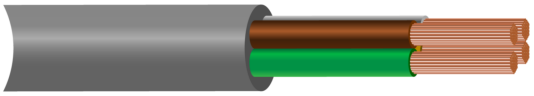
LiHH LSZH Control Cable



Description

LiHH LSZH cables are flexible multi-core electronic cables designed for data transmission, signal control, and instrumentation applications. These cables are widely used in industrial automation, computer systems, measuring equipment, and office machinery where low-voltage, low-current signaling is required. Operating at voltage ratings of 350V or 500V depending on the conductor size, they ensure reliable signal transfer between electronic components and automated production lines.

The cable features flexible Class 5 plain copper conductors, insulated with a halogen-free thermoplastic compound. Cores are color-coded in accordance with DIN 47100 for easy identification and twisted together in layers, a flame-retardant Low Smoke Zero Halogen (LSZH) outer sheath. Manufactured generally to German standard VDE 0812, these cables comply with international fire safety standards IEC 60332-1-2, IEC 60754-1/2 and IEC 61034-2

These cables are ideal for installation in public buildings, hospitals, transport hubs, and industrial environments where fire, smoke emission, and toxic fumes in line with CPR 2017, they are suitable for both fixed wiring and flexible applications without mechanical stress or forced guidance.

Key Features

Voltage Rating
300V: Communication & Control Cable
Not For Power Applications
500 Volt Cables Available On Request

Minimum Bending Radius
Fixed: 10 x Overall Diameter
Flexing: 15 x Overall Diameter

Temperature Limits
Fixed: -40°C to +70°C
Flexing: +5°C to +70°C

Core Colours

- Core 1: White
- Core 2: Brown
- Core 3: Green
- Core 4: Yellow
- Core 5: Grey
- Core 6: Pink
- Core 7: Blue
- Core 8: Red
- Core 9: Black
- Core 10: Violet
- Core 11: Grey / Pink
- Core12: Red Blue
- Core 13: White / Green
- Core 14: Brown / Green
- Core 15: White / Yellow
- Core 16: Yellow / Brown
- Core 17: White / Grey
- Core 18: Grey / Brown
- Core 19: White / Pink
- Core 20: Pink / Brown
- Core 21: White
- Core 22: Brown / Blue
- Core 23: White / Red
- Core 24: Brown Red
- Core 25: White / Black
- Core 26: Brown Black
- Core 27: Grey / Green
- Core 28: Yellow / Grey
- Core 29: Pink / Green
- Core 30: Yellow / Pink
- Core 31: Green Blue
- Core 32: Yellow / Blue
- Core 33: Green Red
- Core 34: Yellow Red
- Core 35: Green Black
- Core 36: Yellow / Black
- Core 37: Grey / Blue
- Core 38: Pink / Blue
- Core 39: Grey Red
- Core 40: Pink / Red
- Core 41: Grey / Black
- Core 42: Pink / Black
- Core 43: Blue Black
- Core 44: Red Black

Standards

- BS EN/IEC 60332-1-2
- BS EN/IEC 61034-1/2
- BS EN/IEC 60754-1/2

Construction

- **Conductor**: Class 5 flexible stranded copper conductor
- **Insulation**: Low Smoke Zero Halogen (LSZH)
- **Outer Sheath**: Low Smoke Zero Halogen (LSZH)
- **Sheath Colour**: Grey

QA Lab

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

LiHH LSZH Control Cable - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
LIHHLSZH2X/14	0.14	2	3.30	13
LIHHLSZH3X/14	0.14	3	3.50	15
LIHHLSZH4X/14	0.14	4	3.70	18
LIHHLSZH5X/14	0.14	5	4.00	22
LIHHLSZH6X/14	0.14	6	4.20	25
LIHHLSZH7X/14	0.14	7	4.30	25
LIHHLSZH8X/14	0.14	8	4.70	30
LIHHLSZH10X/14	0.14	10	5.50	35
LIHHLSZH12X/14	0.14	12	6.10	45
LIHHLSZH15X/14	0.14	15	6.50	55
LIHHLSZH18X/14	0.14	18	6.90	65
LIHHLSZH20X/14	0.14	20	7.90	75
LIHHLSZH21X/14	0.14	21	7.90	75
LIHHLSZH25X/14	0.14	25	8.40	90
LIHHLSZH2X/25	0.25	2	3.60	19
LIHHLSZH3X/25	0.25	3	3.80	22
LIHHLSZH4X/25	0.25	4	4.20	27
LIHHLSZH5X/25	0.25	5	4.50	30
LIHHLSZH6X/25	0.25	6	5.00	40
LIHHLSZH7X/25	0.25	7	5.00	40
LIHHLSZH8X/25	0.25	8	6.50	50
LIHHLSZH10X/25	0.25	10	6.30	55
LIHHLSZH12X/25	0.25	12	6.50	65
LIHHLSZH15X/25	0.25	15	7.20	80
LIHHLSZH16X/25	0.25	16	7.40	85
LIHHLSZH18X/25	0.25	18	7.70	95
LIHHLSZH21X/25	0.25	21	8.50	105
LIHHLSZH25X/25	0.25	25	9.20	130
LIHHLSZH2X/34	0.34	2	4.30	26
LIHHLSZH3X/34	0.34	3	4.40	30
LIHHLSZH4X/34	0.34	4	4.80	40
LIHHLSZH5X/34	0.34	5	5.40	45
LIHHLSZH7X/34	0.34	7	6.00	60
LIHHLSZH8X/34	0.34	8	6.20	65
LIHHLSZH10X/34	0.34	10	7.70	80
LIHHLSZH12X/34	0.34	12	7.80	95
LIHHLSZH15X/34	0.34	15	8.70	115
LIHHLSZH18X/34	0.34	18	9.60	135

Reference	Conductor Size (mm2)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
LIHHLSZH21X/34	0.34	21	10.20	155
LIHHLSZH25X/34	0.34	25	11.50	185
LIHHLSZH2X/5	0.50	2	4.50	20
LIHHLSZH3X/5	0.50	3	4.80	35
LIHHLSZH4X/5	0.50	4	5.10	45
LIHHLSZH5X/5	0.50	5	6.20	55
LIHHLSZH7X/5	0.50	7	6.30	70
LIHHLSZH10X/5	0.50	10	8.40	100
LIHHLSZH12X/5	0.50	12	8.60	120
LIHHLSZH15X/5	0.50	15	9.50	145
LIHHLSZH18X/5	0.50	18	10.60	170
LIHHLSZH21X/5	0.50	21	11.30	200
LIHHLSZH25X/5	0.50	25	12.30	225
LIHHLSZH2X/75	0.75	2	5.10	40
LIHHLSZH3X/75	0.75	3	5.60	55
LIHHLSZH4X/75	0.75	4	6.00	60
LIHHLSZH5X/75	0.75	5	6.70	75
LIHHLSZH7X/75	0.75	7	7.20	90
LIHHLSZH10X/75	0.75	10	9.50	140
LIHHLSZH12X/75	0.75	12	10.10	165
LIHHLSZH2X1	1	2	5.60	50
LIHHLSZH3X1	1	3	6.10	60
LIHHLSZH4X1	1	4	6.40	65
LIHHLSZH5X1	1	5	7.30	80
LIHHLSZH2X1/5	1.50	2	6.90	60
LIHHLSZH3X1/5	1.50	3	7.20	75
LIHHLSZH4X1/5	1.50	4	7.80	85

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