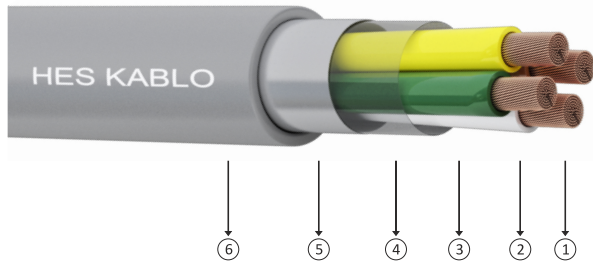


LIH(St)H



Code: LIH(St)H **Standard:** TS 13755, VDE 0812, TSE K 353

- LI** : Bundle wire
H : HFFR (Halogen free flame retardant)
(St) : Aluminum foil
LIH(St)H-OB : Cables without number, with different colored cores
LIH(St)H-JB : Cables without number, with different colored cores and cables with ground core (Yellow / Green)
LIH(St)H-OZ : White numbered core cables on insulated black
LIH(St)H-JZ : White numbered core cables on insulated black and cables with ground core (Yellow / Green)

Technical Properties

- Operating Temperature : -5 °C / + 70 °C
 Storage Temperature : -30 °C / + 70 °C
 Min. bending radius (fixed) : 7,5 x D
 Min. bending radius (moved) : 15 x D

Fire Performance Tests

- Vertical Flame Spread / EN 60332-1-2, IEC 60332-1-2, DIN EN 60332-1-2 (VDE 0482-332-1-2)
 Vertical Flame Spread - Category C / EN 60332-3-24, IEC 60332-3-24, DIN EN 60332-3-24 (VDE 0482-332-3-24)
 Determination of Halogen Acid Gas Amount / EN 60754-1, IEC 60754-1, DIN EN 60754-1 (VDE 0482-754-1)
 Acidity Determination and Conductivity / EN 60754-2, IEC 60754-2, DIN EN 60754-2 (VDE 0482-754-2)
 Smoke Density / EN 61034-2, IEC 61034-2, DIN EN 61034-2 (VDE 0482-1034-2)

Construction

- 1- Flexible copper conductor / Class 5 (EN 60228, IEC 60228, DIN VDE 0295)
- 2- HFFR insulation (EN 50290-2-26)
- 3- Single twist in layers
- 4- Separator tape
- 5- AL-PET Tape
- 6- HFFR Sheath (EN 50290-2-27)

Electrical Properties

Cross-Section (mm ²)	Current Carrying Capacity (A)
0,5	6
0,75	13
1	16
1,5	20
2,5	25

Applications

Appropriate for use in narrow space implementations thanks to its flexible structure, these cables can be used in instrument and control engineering, industrial electronics, computer and office engineering, indoor communication, audio and security systems in places with electromagnetic interference. It should be preferred in closed crowd places for its features such as keeping poisonous gas when burning, not transmitting flame and low smoke intensity.

Damar Sayısı ve Cross-Section	Outer Diameter (Approx)	Copper Weight (Approx)	Cable Weight (Approx)	Conductor Resistance (max.)	Operating Voltage	Delivery Length
mm ²	mm	kg/km	kg/km	Ω/km	(V)	m
2x0,50	4,6	10,8	27	38,9	500	100 / 500 / 1000
3x0,50	4,9	15,3	35	38,9	500	100 / 500 / 1000
4x0,50	5,4	19,8	43	38,9	500	100 / 500 / 1000
5x0,50	5,8	24,3	53	38,9	500	100 / 500 / 1000
6x0,50	6,4	28,8	62	38,9	500	100 / 500 / 1000
7x0,50	6,4	33,3	67	38,9	500	100 / 500 / 1000
8x0,50	7,1	37,8	83	38,9	500	100 / 500 / 1000
10x0,50	8,1	46,8	98	38,9	500	100 / 500 / 1000
12x0,50	8,4	55,7	108	38,9	500	100 / 500 / 1000

Number of Cores and Cross-Section	Outer Diameter (Approx)	Copper Weight (Approx)	Cable Weight (Approx)	Conductor Resistance (max.)	Operating Voltage	Delivery Length
mm ²	mm	kg/km	kg/km	Ω/km	(V)	m
2x0,75	5,0	15,3	33	26,0	500	100 / 500 / 1000
3x0,75	5,3	22,0	43	26,0	500	100 / 500 / 1000
4x0,75	5,7	28,8	54	26,0	500	100 / 500 / 1000
5x0,75	6,3	35,5	67	26,0	500	100 / 500 / 1000
6x0,75	6,8	42,3	80	26,0	500	100 / 500 / 1000
7x0,75	6,8	49,0	87	26,0	500	100 / 500 / 1000
8x0,75	7,7	55,7	106	26,0	500	100 / 500 / 1000
10x0,75	8,7	69,2	127	26,0	500	100 / 500 / 1000
12x0,75	9,0	82,7	141	26,0	500	100 / 500 / 1000
2x1,0	5,4	19,8	39	19,5	500	100 / 500 / 1000
3x1,0	5,7	28,8	53	19,5	500	100 / 500 / 1000
4x1,0	6,3	37,8	67	19,5	500	100 / 500 / 1000
5x1,0	6,9	46,8	82	19,5	500	100 / 500 / 1000
6x1,0	7,5	55,7	98	19,5	500	100 / 500 / 1000
7x1,0	7,5	64,7	107	19,5	500	100 / 500 / 1000
8x1,0	8,4	73,7	131	19,5	500	100 / 500 / 1000
10x1,0	9,6	91,7	158	19,5	500	100 / 500 / 1000
12x1,0	9,9	109,7	176	19,5	500	100 / 500 / 1000
2x1,5	6,4	28,1	54	13,3	900	100 / 500 / 1000
3x1,5	6,8	41,3	74	13,3	900	100 / 500 / 1000
4x1,5	7,5	54,5	94	13,3	900	100 / 500 / 1000
5x1,5	8,2	67,6	117	13,3	900	100 / 500 / 1000
6x1,5	9,0	80,8	140	13,3	900	100 / 500 / 1000
7x1,5	9,0	94,0	153	13,3	900	100 / 500 / 1000
8x1,5	10,1	107,2	189	13,3	900	100 / 500 / 1000
10x1,5	11,8	133,5	233	13,3	900	100 / 500 / 1000
12x1,5	12,2	159,8	259	13,3	900	100 / 500 / 1000
2x2,5	7,1	42,2	72	7,98	900	100 / 500 / 1000
3x2,5	7,6	62,4	100	7,98	900	100 / 500 / 1000
4x2,5	8,3	82,6	128	7,98	900	100 / 500 / 1000
5x2,5	9,2	102,8	160	7,98	900	100 / 500 / 1000
6x2,5	10,1	123,0	192	7,98	900	100 / 500 / 1000
7x2,5	10,1	143,2	212	7,98	900	100 / 500 / 1000
8x2,5	11,6	163,4	266	7,98	900	100 / 500 / 1000
10x2,5	13,2	203,7	320	7,98	900	100 / 500 / 1000
12x2,5	13,7	244,1	359	7,98	900	100 / 500 / 1000