LIHCH

-30°C to +80°C, 500V



Construction
Conductor: Flexible Bare Copper · IEC 60228 Class 5
Core Insulation: Extruded · LSZH
Cabling: Laid Up · Cores twisted in layers
Core Identification: Color-coded according to DIN 47100
Binder: Halogen-free plastic foil
Shield: Braid · Tinned Copper Braid
Jacket: Extruded (Pebble Grey RAL 7032) · LSZH

Thermal Characteristics
Operating Temperature: -30°C to +80°C
Operating Temperature Range: Fixed installation: -30°C to +80°C · Occasional flexing: -5°C to +70°C.

Electrical Characteristics
Operating Voltage: 500V
Test Voltage: 1500V

Application
Public Buildings, Cleanrooms & Industrial Control: Screened signal, measurement, and control wiring in airports, hospitals, railway stations, data centers, and industrial automation.

General Characteristics
EMC Braid & Foil Screening: High-coverage metallic shielding protects sensitive control and encoder circuits from electromagnetic interference.
Flexibility: Flexible construction facilitates routing, bending and installation where space is limited.
Clear Polarity & Circuit Coding: Distinct polarity stripe or multi-color sequence simplifies pin-1 alignment and harness inspection.

Standards & Approvals
DIN VDE 0812: Halogen-free screened low-frequency data and signal cable.
Halogen-Free & Corrosivity: IEC 60754-1 / IEC 60754-2 (zero halogen, non-corrosive combustion gases).
Low Smoke Density: IEC 61034-2 low smoke emission in fire conditions.

Fire Performance
Fire Performance: IEC 60332-1-2
Fire Performance: IEC 60332-3-24

CASMO Part No.	Total Cores	Conductor Size (mm²)	Nom. O.D. (mm)	Nom. Copper Weight (kg/km)	Nom. Cable Weight (kg/km)
LIHCH-2X0.14	2	0.14	4.1	11.2	22
LIHCH-3X0.14	3	0.14	4.3	13	29
LIHCH-4X0.14	4	0.14	4.5	14.3	35
LIHCH-7X0.14	7	0.14	5.1	19	52
LIHCH-12X0.14	12	0.14	6.5	30.4	83
LIHCH-2X0.25	2	0.25	4.7	16	34
LIHCH-3X0.25	3	0.25	4.9	21	39
LIHCH-4X0.25	4	0.25	5.2	24	44
LIHCH-5X0.25	5	0.25	5.8	29	54
LIHCH-7X0.25	7	0.25	6.2	37	69
LIHCH-8X0.25	8	0.25	7.3	42	78
LIHCH-12X0.25	12	0.25	7.9	53	104
LIHCH-18X0.25	18	0.25	9.1	78	142
LIHCH-2X0.34	2	0.34	5.1	21	39
LIHCH-3X0.34	3	0.34	5.3	27	45

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casmocable
CABLES FOR EXTREMES

LIHCH

-30°C to +80°C, 500V



CASMO Part No.	Total Cores	Conductor Size (mm²)	Nom. O.D. (mm)	Nom. Copper Weight (kg/km)	Nom. Cable Weight (kg/km)
LIHCH-4X0.34	4	0.34	5.9	28	55
LIHCH-7X0.34	7	0.34	7	48	80
LIHCH-12X0.34	12	0.34	8.7	80	130
LIHCH-2X0.5	2	0.5	5.8	29	50
LIHCH-3X0.5	3	0.5	6.1	38	59
LIHCH-4X0.5	4	0.5	6.5	43	74
LIHCH-5X0.5	5	0.5	7.2	51	95
LIHCH-7X0.5	7	0.5	7.8	65	118
LIHCH-12X0.5	12	0.5	9.8	99	186
LIHCH-2X0.75	2	0.75	6.2	38	56
LIHCH-3X0.75	3	0.75	6.5	49	69
LIHCH-4X0.75	4	0.75	7.2	58	84
LIHCH-5X0.75	5	0.75	7.8	67	115
LIHCH-7X0.75	7	0.75	8.4	100	164
LIHCH-2X1	2	1	6.5	43	76
LIHCH-4X1	4	1	7.5	68	115
LIHCH-4X1.5	4	1.5	8.3	108	161

Table Notes

* Core identification according to DIN 47100 (see Color Code Chart below). Halogen-free LSZH compound.

COLOR CODE CHART					
Cond. #	Color	Cond. #	Color	Cond. #	Color
1	White	10	Violet	19	White/Pink
2	Brown	11	Grey/Pink	20	Pink/Brown
3	Green	12	Red/Blue	21	White/Blue
4	Yellow	13	White/Green	22	Brown/Blue
5	Grey	14	Brown/Green	23	White/Red
6	Pink	15	White/Yellow	24	Brown/Red
7	Blue	16	Yellow/Brown	25	White/Black
8	Red	17	White/Grey		
9	Black	18	Grey/Brown		

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