

Control and Signal Cables

Cable LiHH

Overview

Cable for instrumentation circuits, command and control, signaling and measurement in machine tools, HVAC systems, production machinery. Flexible cable for use inside buildings in dry, damp or wet areas, with average mechanical stress. Abroad should be used with UV protection, observing the temperature range. It is suitable for fixed installations and non-continuous mobile installations.

TECNICAL DATA

Standards

VDE 0812, IEC 60228

Conductor

Flexible bare copper, class 5

Insulation

LSZH

Core Identification

Black with printed numbers with (-JZ) or without (-OZ) earth Core (Green/Yellow).
Color codes according with DIN47100 (-DIN) or HD308-S2 with (-JB) or without (-OB) earth Core (Green/Yellow).

Outer Sheath

LSZH

Color

Grey (RAL 7001)

Printing

"Manufacturer" LiHH – DIN (no. cores) x (cross section mm²)
(length mt) (year of manufacture) CE

Tests

Self-extinguishing and flame retardant IEC 60332-1
Fire retardant IEC 60332-3
Zero halogens IEC 60754-1
Non-corrosive gas IEC 60754-2
Low smoke emission IEC 61034

Operating Voltage

300/500V

Test Voltage

2000V

Operating Temperature

Fixed: -40°C to +80°C
Not fixed: -5°C to +70°C

Min. Bending Radius

Fixed: 5xØ
Not fixed: 10xØ

Table: No. Cores, diameter and weight for each control cable and control type LiHH.

No. Cores x cross sec.[mm ²]	Ø Outer [mm]	Weight [kg/km]
2x0.75	5.8	46
3x0.75	6.1	55
4x0.75	6.7	68
5x0.75	7.4	82
7x0.75	8.3	108
12x0.75	10.9	173

No. Cores x cross sec.[mm ²]	Ø Outer [mm]	Weight [kg/km]
2x1	5.8	51
3x1	6.4	64
4x1	7.0	79
5x1	7.7	96
7x1	8.8	128
12x1	11.2	203

No. Cores x cross sec.[mm ²]	Ø Outer [mm]	Weight [kg/km]
2x1.5	6.3	64
3x1.5	7.0	81
4x1.5	7.7	101
5x1.5	8.7	128
7x1.5	9.3	162