

Control and Signal Cables

Cable LiHCH

Overview

Cable for use in electronics for command and control equipment, measurement systems, and other applications. The shield allows for interference-free transmission of data. Suitable for use in public locations with safety requirements in case of fire.

TECNICAL DATA

Standards

VDE 0812,0245; IEC 60228

Color

Grey (RAL 7001)

Conductor

Flexible bare copper, class 5

Printing

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

Insulation

LSZH

Tests

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

Color Identification

Color code according with DIN47100 (-DIN)

Operating Voltage

300/500V

Strapping

Polyester tape

Test Voltage

Conductor / conductor: 1200V
Conductor / shield: 800V

Shield

Tinned copper braid, 50% coverage approx.

Operating Temperature

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

Outer Sheath

LSZH

Min. Bending Radius

Fixed: 5xØ
Not fixed: 10xØ

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

No. Cores x cross sec.[mm ²]	Ø Outer [mm]	Weight [kg/km]	No. Cores x cross sec.[mm ²]	Ø Outer [mm]	Weight [kg/km]	No. Cores x cross sec.[mm ²]	Ø Outer [mm]	Weight [kg/km]
2x0.5	5.4	43.7	2x0.75	5.8	55.7	2x1	6.1	62.6
3x0.5	5.7	52.3	3x0.75	6.1	67.5	3x1	6.7	76.7
4x0.5	6.1	67.4	4x0.75	6.8	81.2	4x1	7.2	98.1
5x0.5	6.9	79.1	5x0.75	7.4	100.7	5x1	7.8	116.9
7x0.5	7.4	99.6	7x0.75	8.2	122.8	7x1	8.6	148.3
12x0.5	9.7	160.3	12x0.75	10.5	198.2	12x1	11.3	237.7
18x0.5	11.4	224.3	18x0.75	12.6	286	18x1	13.5	357.1
25x0.5	13.3	308.1	25x0.75	14.7	394.3	25x1	15.7	465.9