

Control and Signal Cables

Cable LiHCH – (TP)

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. (TP) Twisted pairs.

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

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 – (TP).

No. Cores x cross sec.(mm ²)	Ø Outer (mm)	Weight (kg/km)
2x2x0.50	6.8	61
2x2x0.75	7.7	80
2x2x1	8.3	94
3x2x0.5	7.8	85
3x2x0.75	8.6	111
3x2x1	10.0	133
4x2x0.50	9.0	110
4x2x0.75	10.2	144
4x2x1	11.0	172