We Make Modern
Life Possible.

HALOGEN-FREE CONTROL AND ELECTRONIC CABLES

LiHCH

FRNC control cable, halogen-free, screened

LiHCH cables are multi-core halogen-free screened control cables suitable for indoor use in industrial applications with increased requirements for electromagnetic compatibility. Generally used in flexible or fixed applications with low mechanical and tensile stress as connecting cables for data processing, measurement and control engineering, safety related systems and as electronics cable where such cables are needed.



TECHNICAL DATA

Standard
based on EN 50525-3-11

Test Voltage
4000 V

Rated Voltage
300/500 V (Uo/U)

Bending radius (min.)
4 x Ø der Leitung (feste Verlegung)
15 x Ø der Leitung (flexible Verlegung)

Fire properties
CPR classification: Dca

Core identification
black (continuously numbered), from 3 cores with green/yellow ground conductor

Temperature range
Fixed installation: -40°C up to 70°C
Flexible use: -5°C up to 70°C

DESIGN



Number of cores x nominal cross-section (mm²)	Max. conductor resistance (Ω/km)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
2 x 0,5	39.0	5.9	46
2 x 1	19.5	6.3	59
2 x 1,5	13.3	7.2	79
3 G 1,5	13.3	7.6	95
4 G 1	19.5	7.5	94
4 G 2,5	7.98	10.0	179
4 G 4	4.95	11.7	260
4 G 6	3.3	14.3	401
4 G 10	1.91	17.6	613
5 G 0,5	39.0	7.0	80
5 G 2.5	7.98	11.0	927
5 G 10	1.91	19.4	767
6 G 1,5	13.3	9.9	176
6 G 4	4.95	14.4	388
6 G 6	3.3	17.1	562
7 G 2,5	7.98	12.3	289
8 G 0,5	39.0	9.1	133
12 G 0,5	39.0	10.0	160
14 G 2,5	7.98	16.9	552
18 G 0,5	39.0	11.6	222
64 G 1,5	13.3	27.4	1482

Technical changes reserved. All figures are therefore without guarantee.

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