

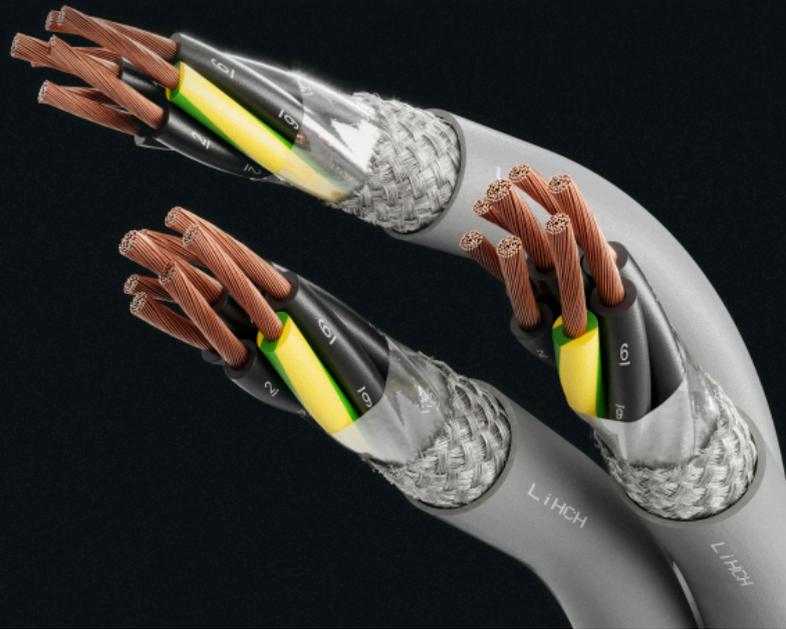


# LiHCH

FRNC control cable, halogen-free, screened

SAFETY CABLES WITH CIRCUIT INTEGRITY

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 (U<sub>0</sub>/U)



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



**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 (mm <sup>2</sup> )	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

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