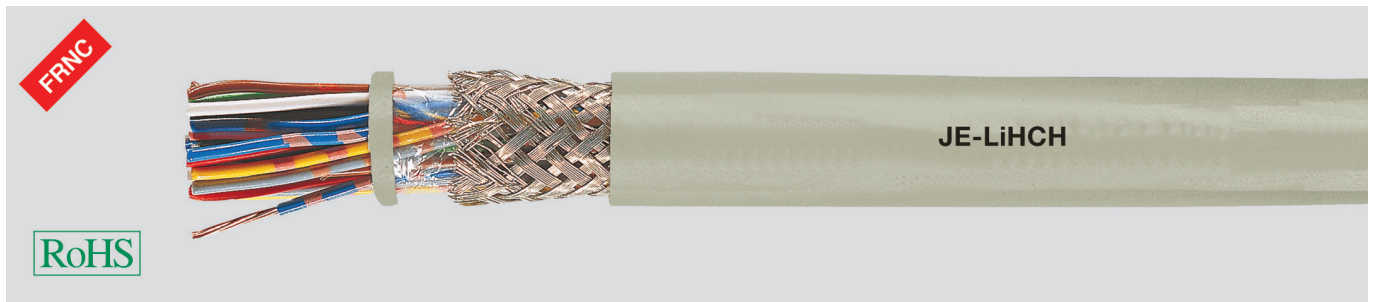


# JE-LiHCH Bd industry electronic cable, halogen-free



## Technical data

- Industry electronic cable adapted to DIN VDE 0815
- **Conductor resistance** at 20°C  
39,2 Ohm/km
- **Temperature range**  
flexing -5°C to +50°C  
fixed installation -30°C to +70°C
- **Operating peak voltage** 225 V  
(not for heavy current installation purposes)
- **Test voltage**  
core/core 500 V  
core/screen 2000 V
- **Insulation resistance**  
min. 100 MOhm x km
- **Mutual capacitance**  
max. 120 nF/km at 800 Hz (this values may be extended at 20% with a make-up up to 4 pairs)
- **Capacitance unbalance** at 800 Hz  
max. 200 pF/100 m (20% of the values, but one value up to 400 pF is allowed)
- **Minimum bending radius**  
7,5x cabel Ø
- **Radiation resistance**  
up to 100x10<sup>6</sup> cJ/kg (up to 100 Mrad)
- **Caloric load values**  
see Technical Informations

## Cable structure

- Bare copper, 7x0,3 mm
- Core insulation of polymer compound type HI1 or HI2 to DIN VDE 0207 part 23
- Insulation wall thickness 0,3 mm
- Core identification to DIN VDE 0815 (with ring colours and ring groups)
- 2 cores twisted in pair, 4 pairs to a unit and several units stranded in layers (for 2 pairs cable, 4 cores stranded to a quad)
- Foil wrapping
- Copper braided screening, wire 0,2 mm, approx. 85% coverage
- Outer sheath halogen-free compound type HM1 or HM2 to DIN VDE 0207 part 24
- Sheath colour grey RAL (7032)

## Properties

- Installation cables are not allowed for purposes of high current and power or burial installation.

## Tests

- Flame test acc. to  
DIN VDE 0482-332-3, BS 4066 part 3,  
DIN EN 60332-3, IEC 60332-3 (previously  
DIN VDE 0472 part 804 test method C)
- Corrosiveness of combustion gases  
acc. to DIN VDE 0482 part 267,  
DIN EN 50267-2-2, IEC 60754-2  
(equivalent DIN VDE 0472 part 813)
- Smoke density acc. to DIN VDE 0482  
part 1034-1+2, DIN EN 61034-1+2,  
IEC 61034-1+2, BS 7622 part 1+2  
(previously DIN VDE 0472 part 816)

## Note

- 2-paired cables:  
cores stranded to a star quad
- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.
- **LS0H** = Low Smoke Zero Halogen

## Application

Halogen-free installation cables with improved characteristics in the case of fire are used for telephone transmission, measuring and signal purposes. The copper screened design (C) protects the transmission circuits against electrical interferences. A fire propagation is prevented through high oxygen index of the insulation material and produce no corrosive gases in case of fire. They are preferably used for telecommunication installations inside buildings. These cables are suitable for fixed installation in areas with danger of fire, in dry and damp environments as well as in and under plaster.

**EMC** = Electromagnetic compatibillity

To optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

☑= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part no.	No.pairs x cross-sec. mm <sup>2</sup>	Core Ø app. mm	No. units	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
34350	2 x 2 x 0,5	1,6	-	6,8	44,0	102,0	20
34351	4 x 2 x 0,5	1,6	1	9,1	80,0	168,0	20
34352	8 x 2 x 0,5	1,6	2	11,4	152,0	297,0	20
34353	12 x 2 x 0,5	1,6	3	13,3	192,0	357,0	20

Part no.	No.pairs x cross-sec. mm <sup>2</sup>	Core Ø app. mm	No. units	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
34354	20 x 2 x 0,5	1,6	5	16,4	288,0	555,0	20
34355	32 x 2 x 0,5	1,6	8	19,6	439,0	852,0	20
34356	40 x 2 x 0,5	1,6	10	21,7	531,0	1005,0	20

Dimensions and specifications may be changed without prior notice. (RB01)