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HALOGEN-FREE CONTROL AND ELECTRONIC CABLES

L-H(St)H EIB

Motor power supply cable for EIB-Bus,
halogen-free, screened



TECHNICAL DATA



Standard
adapted to DIN VDE 0815



Rated Voltage
max. 300 Vss



Test Voltage
800 Veff (core/core) / 50 Hz
4000 Veff (core/screen) / 50 Hz



Bending radius (min.)
7.5 x Ø of cable



Core identification
1st. circuite: red (a), black (b) 2nd. circuite: white (a), yellow (b)



Fire properties
EN 60332-1-2: flame retardant and self-extinguishing
EN 60754-1 and 2: halogen-free; non-corrosive combustion gases
CPR classification: Eca



Temperature range
Laying temperature: min. -5°C
Fixed installation: -30°C up to 70°C
Flexible use: -5°C up to 50°C

DESIGN



1

Copper conductor, round solid (RE)

2

Core insulation (halogen-free polymer compound), cores stranded to star quads

3

Taping (halogen-free plastic foil)

4

Screen (plastic laminated aluminium tape with drain wire)

5

Sheath (PVC grey RAL 7035 or green RAL 6018)

Electrical Parameters

Conductor diameter	mm	0.8
Conductor resistance, max. at 20 °C	Ω/km	73.2
Insulation resistance, min. at 20 °C	MΩ/km	100
Mutual capacitance (approx. value), at 800 Hz	nF/km	100
Capacitance unbalance at 800 Hz, k1 max.	pF/km	200

Number of cores x nominal cross-section	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
2 x 2	0.8	60	1000 SP

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