

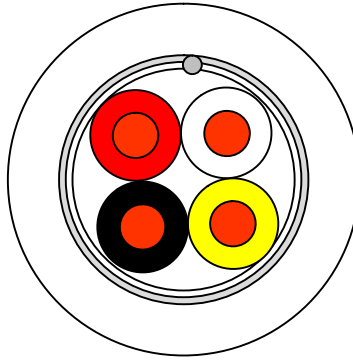


## ICS EIB

### EIB cables

From EIBA

### Symmetrical data cables for EIB Systems



### Application

Bus cables for indoor installations in EIB (European Installation Bus) systems. The cables are suitable for installation in ducts, on risers and under data floors. PE insulated plain copper conductors. The cables have an overall Al/PETP-foil screen and a tinned copper drain wire. The overall sheath are made of flame retardant PVC or halogen free, flame retardant thermoplastic sheathing compound acc. to EN 50290-2-27. The pair is colour coded for easy identification.

**1 pair:** black/red **2 pair:** yellow/white

### Flame Resistance

LSHF: IEC 60332-1, IEC 61034-2, IEC 60754-1/2

LSHF-FR: IEC 60332-3-24, IEC 61034-2, IEC 60754-1/2

### Construction

Conductor	copper wire, bare 0.5 mm <sup>2</sup> , Ø 0.80 mm
Insulation	PE, 1.6 mm Ø
Conductor identification	pair 1: red, black, Pair 2: Yellow, white
Pair stranding	2 conductors to the pair
Cable lay up	1 or 2 pairs to the core
Wrapping	1 x PET foil
Overall shielding	laminated AL-foil + copper drain wire 0.4mm <sup>2</sup>
Rip cord and identification thread	yes
Outer sheath	PVC, alternative halogen free, flame retardant thermoplastic sheathing compound acc. to EN 50290-2-27
Colour	white RAL 9010
Marking for PVC version	DRAKA ICS EIB 1x2x0.8 PVC, week, year, batch number and meter marking (Remark: alternative 2x2x0.8 PVC)
Marking for LSHF version	DRAKA ICS EIB 1x2x0.8 LSHF, week, year, batch number and meter marking (Remark: alternative 2x2x0.8 LSHF)

### Mechanical Properties

Operating temperature	- 25 °C up to + 70 °C
Min. Installation temperature	- 5 °C
Minimum bending radius	7.5 x D
Smoke density (only for LSHF and LSHF-FR types)	acc. to IEC 61034-2
Corrosivity of fire gases (only for LSHF and LSHF-FR types)	acc. to IEC 60754-1/2



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### Electrical Properties

at 20°C

Loop DC resistance (max.)	73.2 Ω/km
Insulation resistance (at 500 V, 1 min.)	10 GΩ*km
Mutual capacitance at 800 Hz (max.)	100 nF/km
Inductance	0.65 mH/km
Max. operating voltage DC	800 V
AC Testvoltage, (5 min)	2500 V
AC Testvoltage, (1 min)	4000 V

### Technical Data

Part number	Cable type DIN/VDE	Dimension	Product name	Outer diameter mm	Standard delivery length m	weight kg/km	Copper content
1003582	2Y(St)Y	1x2x0.8	ICS EIB 1x2x0.8 PVC	5.5	1000	35	11.4
1003583	2Y(St)Y	2x2x0.8	ICS EIB 2x2x0.8 PVC	7.7	1000	58	21.8
1003584	2Y(St)H	1x2x0.8	ICS EIB 1x2x0.8 LSHF	5.5	1000	36	11.4
1003585	2Y(St)H	2x2x0.8	ICS EIB 2x2x0.8 LSHF	7.7	1000	60	21.8