



ASI CABINET CABLE

AS-Interface BUS Cable FLIH 2x0.86/2.5

2023-02-17

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Cabinet Cable



The AS-Interface BUS cable is used for internal connections in a control cabinet or a control panel. Contact is made by penetration with a piercing technique.

For convenience, Celpia can provide the cable from two brands, Helukabel and Leoni. The original data sheet from the manufacturer can be found on the next pages. Celpia take no responsibility for mistakes or other errors in the documents.

Order information

<i>Order number</i>	<i>Description</i>
9003-00-01	AS-Interface BUS Cabinet Cable FLIH 2x0.86/2.5, 2x18AWG (Helukabel)
9003-00-02	AS-Interface BUS Cabinet Cable FLIH 2x0.86/2.5, 2x18AWG (Leoni)

HELUKABEL DATA SHEET

BUS Cables

AS-Interface Electrical Cabinet FLIH



FRNC





Type	Fixed installation, indoor
Cable structure	2x0,86/ 2,5
Inner conductor:	Copper, tinned
Separator:	-
Shielding 1:	-
Total shielding:	-
Outer sheath material:	FRNC
Outer sheath colour:	Yellow
Electrical data	
Characteristic impedance:	105 Ohm ± 35 Ohm
Conductor resistance, max.:	23 Ohm/km
Insulation resistance, min.:	0,01 GOhm x km
Loop resistance:	46 Ohm/km max.
Nominal voltage:	300 V
Test voltage:	2 kV at 15 min.
Technical data	
Weight:	app. 24 kg/km
bending radius, repeated:	30 mm
Operating temperature range min.:	-25°C
Operating temperature range max.:	+70°C
Caloric load, approx. value:	0,30 MJ/m
Copper weight:	20,00 kg/km
Norms	
Applicable standards:	ASI standard Halogen-free acc. to 60754-2 Flame-retardant acc. to IEC 60332-1-2 UL Style 2444
UL Style:	
Application	
HELUKABEL® AS-Interface FLIH for electrical cabinet applications, especially for wiring inside electrical cabinets. Compared to "normal" AS-I wire, less space is needed and routing is improved. This cable is also designed for appropriate fast contacting through use of the penetration technique. Special modules for electrical cabinets that are compatible with this wire are available on the market.	
Part no.	802183, AS-Interface FLIH
Dimensions and specifications may be changed without prior notice.	



LEONI DATA SHEET

LEONI

LEONI Special Cables GmbH

Technisches Datenblatt – Technical Data Sheet – Technisches Datenblatt – Technical Data Sheet – Technisches Datenblatt – Technical Data Sheet

AS-Interface

FLIH 2x0.86/2.5
2X18AWG




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Design

Flat cable

2 Stranded tinned copper wire 19 X 0.24 (18AWG) side by side
Thermoplastic copolymer (FRNC) YE
Wall thickness about 0.5 mm
Outer dimensions

(2.5 x 7.0 ±0.2) mm

Printing 1) "sequential length in metres" AS-Interface FLIH 2x18AWG FRNC LEONI L  AWM 2444
80 °C 300V

Textintervals about 1000 mm

Printing 2) +
Textintervals about 20 mm

Electrical data at 20°C

Conductor resistance	≤	23	Ohm/km
Insulation resistance	≥	10	MOhm*km
UL Rating		300	V
Characteristic impedance (167 kHz) (AS-I specification)		70 - 140	Ohm
Characteristic impedance (167 kHz)	typ.	135	Ohm
Ampacity (up to 65°C)	≤	8	A
Test voltage (rms 50Hz 1min)		2000	V

LEONI Special Cables GmbH Phone +49 (0)4491-292-292 Fax +49 (0)4491-292-169 Internet www.leoni-special-cables.com

Date of issue : 01.11.2006

Technical modification reserved

Creator : LSC E / Turan

Number: L45587-J21-Y-EN

Up-dating : 30.09.2009 Name: Langemeyer
Supersedes : 14.07.2008 E: 26.09.2007 M: 13.12.2006

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LEONI

LEONI Special Cables GmbH

Technisches Datenblatt – Technical Data Sheet – Technisches Datenblatt – Technical Data Sheet – Technisches Datenblatt – Technical Data Sheet

Mechanical and thermal characteristics

Conductor material acc. to DIN EN 13602 Cu-ETP-A...-B
Jacket material acc. to DIN EN 50290-2-27 (HD 624.7)
Flame retardant acc. to UL 1581, Sec. 1090 (H)

UL-Style 2444 (80°C/300V)
Electrical requirements acc. to specification AS-I V3.0

Other characteristics:

Low Smoke, Zero Halogen
Corrosivity of fumes acc. to IEC 60754-2
Smoke-density acc. to IEC 61034
RoHS compliant

Permissible temperature range

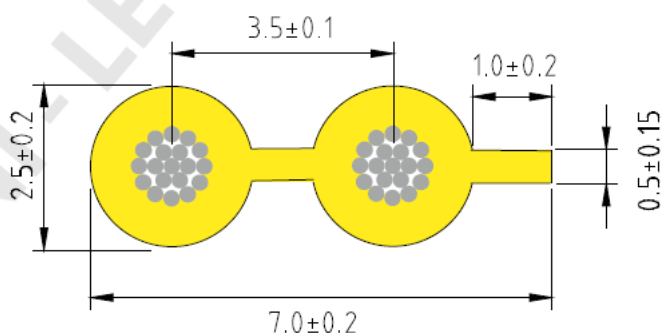
Transport, installation and operating: -40 °C (-40 °F) up to 90 °C (194 °F)

Min. bending radius allowed : 15mm
Weight about : 24 Kg/km

Designation of order:

L45587-J21-Y
212097
FLIH 2X0,86 VZN GE
1000 m (3281 ft) on reel

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Document type
Data sheet

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01

Author
JL

Document revision

Revision	Description
00	First release
01	Updated contact information