

H-System Custom Cable

CAB-GEN-**-S37F18-MX-01010

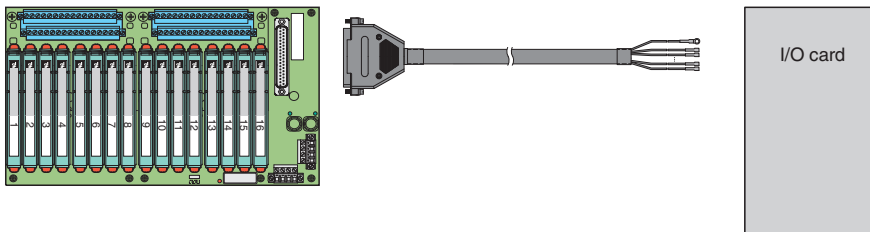


- Generic system cable for the connection to Pepperl+Fuchs H-System termination boards
- Connects the control side to the 37-pin-Sub-D connector on H-System termination boards
- Common ground for channels 1 ... 8 and channels 9 ... 16
- Universal usage for all signal types (AI, AO, DI, DO)
- Preconfigured lengths

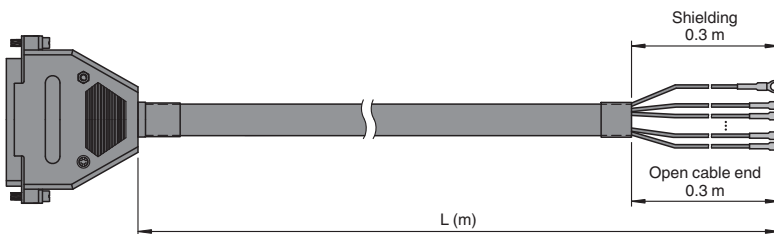
Cordset, 37-pin Sub-D socket to open cable end, 18-wire PVC cable with wire end ferrules



Connection



Dimensions



Sub-D socket, 37-pin

Overall cable length (see type code)

Technical Data

Electrical specifications

Rated voltage	U_r	max. 30 V
Rated current	I_r	max. 80 mA per channel , max. 1 A in total
Lead resistance		< 70 m Ω / m
Cable capacitance		wire/wire: approx. 120 pF / m wire/shield: approx. 160 pF / m
Cable inductance		approx. 0.65 μ H / m

Standard conformity

Release date: 2024-04-26 Date of issue: 2024-04-26 Filename: t191024_eng.pdf

Technical Data

Flammability	IEC 60332-1-2 , flame-resistant	
Ambient conditions		
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F) , fixed	
Storage temperature	-40 ... 70 °C (-40 ... 158 °F)	
Mechanical specifications		
Connection	37-pin Sub-D socket , metallic 18 open cable ends with 1.3 mm wire end ferrules ring terminal M5 , blue	
Material		
Connector	Sub-D socket : Zinc die cast, nickel plated	
Sheathing	PVC	
Core insulation	PVC	
Cable	LiYCY	
Diameter	10.2 mm	
Bending radius	min. 6 x external diameter, fixed cable	
Color	grey	
Cores	18 x 0.34 mm ²	
Conductor construction	stranded wire , fine-strand	
Shield	tinned copper braiding	
Shielding		
Diameter	2.34 mm	
Bending radius	min. 12 x external diameter, fixed cable	
Color	green	
Cores	1 x 1.32 mm ²	
Conductor construction	stranded wire , fine-strand	
Mass	approx. 150 g + 175 g /m	

Connection Assignment

Pinout		Sub-D socket, 37-pin	Wire colors acc. to DIN 47100
Pin	Channel		
1	1 (+)	37	white
2	2 (+)	36	brown
3	3 (+)	35	green
4	4 (+)	34	yellow
5	5 (+)	33	gray
6	6 (+)	32	pink
7	7 (+)	31	blue
8	8 (+)	30	red
9	9 (+)	29	black
10	10 (+)	28	violet
11	11 (+)	27	gray/pink
12	12 (+)	26	red/blue
13	1^3 (+)	25	white/green
14	14 (+)	24	brown/green
15	15 (+)	23	white/yellow
16	16 (+)	22	yellow/brown
17	1 ... 8 (-)	12 ... 19	white/gray
18	9 ... 16 (-)	4 ... 11	gray/brown

Product Versions

The option marked with ** corresponds to the cable length L in meters. Available cable lengths on request.