

# Cable - CABLE-D37SUB/B/B/ 100/KONFEK/S - 2305509


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Assembled shielded round cable; connection 1: D-SUB socket strip (1x 37-position); connection 2: D-SUB socket strip (1x 37-position); cable length: 1 m



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 011853
GTIN	4046356011853

## Technical data

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C (fixed installation)
	-10 °C ... 70 °C (flexible installation)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Maximum altitude	≤ 2000 m
Degree of protection	IP20
	≥ IP54 (Installation location)

### General

Max. permissible operating voltage	25 V AC
	60 V DC
Max. current carrying capacity per path	2 A (50 °C)
	1 A (70 °C)
Length of cable	1 m
External cable diameter	10.8 mm ±0.5 mm
Single wire, cross section	0.25 mm <sup>2</sup>
Single wire, cross section [AWG]	24
Single wire, number of litz wires	14
Single wire, material	Cu uninsulated

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## Technical data

### General

Wire diameter incl. insulation	1.2 mm ±0.05 mm
Smallest bending radius, fixed installation	90 mm
Smallest bending radius, movable installation	170 mm
Bending cycles	5000 (at a radius of ≥ 15x outside diameter)
Shielding	yes
	Tinned copper-braided shield, approx. 85% covering
Cable insulation resistance	≥ 20 MΩ/km (at 20 °C)
Cable resistance	≤ 80 Ω/km (at 20 °C)
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Degree of protection	IP20
	≥ IP54 (Installation location)
Nominal operating mode	100% operating factor

### Connection data

Connection name	Field level
Connection method	D-SUB socket strip
Number of connections	1
Number of positions	37
Torque	0.2 Nm
Insertion/withdrawal cycles	> 200

### Connection data 2

Connection name	Controller level
Connection method	D-SUB socket strip
Number of connections	1
Number of positions	37
Torque	0.2 Nm
Insertion/withdrawal cycles	> 200

### Standards and Regulations

Flame resistance	UL VW-1
	CSA FT-1
	IEC 60332-1-2
	VDE 0842, Part 332-1-2
	IEC 60332-3-22
Resistance to oil	against occasional splashes
Gasoline resistance	against occasional splashes
Connection in acc. with standard	CUL
Designation	Air clearances and creepage distances
Standards/regulations	DIN EN 50178
Rated insulation voltage	125 V

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## Technical data

### Standards and Regulations

Rated surge voltage	1.2 kV
Insulation	Functional insulation
Degree of pollution	2
Overvoltage category	II

### Supported controller

Controller	universal
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### Color code

Connector 1 = connector 2 (optional) = wire color	D-SUB37 (1) = D-SUB37 (1) = white
	D-SUB37 (2) = D-SUB37 (2) = brown
	D-SUB37 (3) = D-SUB37 (3) = green
	D-SUB37 (4) = D-SUB37 (4) = yellow
	D-SUB37 (5) = D-SUB37 (5) = gray
	D-SUB37 (6) = D-SUB37 (6) = pink
	D-SUB37 (7) = D-SUB37 (7) = blue
	D-SUB37 (8) = D-SUB37 (8) = red
	D-SUB37 (9) = D-SUB37 (9) = black
	D-SUB37 (10) = D-SUB37 (10) = violet
	D-SUB37 (11) = D-SUB37 (11) = gray-pink
	D-SUB37 (12) = D-SUB37 (12) = red-blue
	D-SUB37 (13) = D-SUB37 (13) = white-green
	D-SUB37 (14) = D-SUB37 (14) = brown-green
	D-SUB37 (15) = D-SUB37 (15) = white-yellow
	D-SUB37 (16) = D-SUB37 (16) = yellow-brown
	D-SUB37 (17) = D-SUB37 (17) = white-gray
	D-SUB37 (18) = D-SUB37 (18) = gray-brown
	D-SUB37 (19) = D-SUB37 (19) = white-pink
	D-SUB37 (20) = D-SUB37 (20) = pink-brown
	D-SUB37 (21) = D-SUB37 (21) = white-blue
	D-SUB37 (22) = D-SUB37 (22) = brown-blue
	D-SUB37 (23) = D-SUB37 (23) = white-red
	D-SUB37 (24) = D-SUB37 (24) = brown-red
	D-SUB37 (25) = D-SUB37 (25) = white-black
	D-SUB37 (26) = D-SUB37 (26) = brown-black
	D-SUB37 (27) = D-SUB37 (27) = gray-green
	D-SUB37 (28) = D-SUB37 (28) = yellow-gray
	D-SUB37 (29) = D-SUB37 (29) = pink-green
	D-SUB37 (30) = D-SUB37 (30) = yellow-pink
	D-SUB37 (31) = D-SUB37 (31) = green-blue
	D-SUB37 (32) = D-SUB37 (32) = yellow-blue
	D-SUB37 (33) = D-SUB37 (33) = green-red

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## Technical data

### Color code

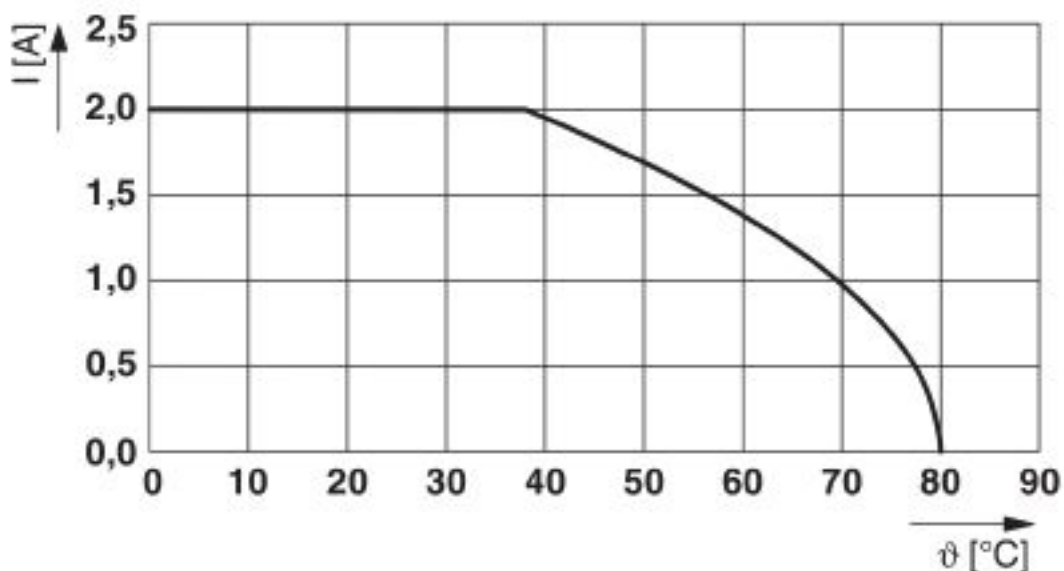
	D-SUB37 (34) = D-SUB37 (34) = yellow-red
	D-SUB37 (35) = D-SUB37 (35) = green-black
	D-SUB37 (36) = D-SUB37 (36) = yellow-black
	D-SUB37 (37) = D-SUB37 (37) = gray-blue

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Diagram



Maximum permissible current per path in uncoiled state

### Approvals

Approvals

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Approvals

CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

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Ex Approvals


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## Approvals


### Approval details

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	70002966
Nominal voltage UN		125 V	
Nominal current IN		1 A	

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
Nominal voltage UN		125 V	
Nominal current IN		2 A	

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
Nominal voltage UN		125 V	
Nominal current IN		2 A	

EAC		RU C- DE.A*30.B00767
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cULus Recognized	
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