

# CABLE-D37SUB/B/B/ 200/KONFEK/S - Cable



2305512

<https://www.phoenixcontact.com/us/products/2305512>

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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: 2 m

## Commercial Data

Item number	2305512
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	C421
Product Key	CK2135
Catalog Page	Page 571 (C-5-2019)
GTIN	4046356011860
Weight per Piece (including packing)	493.2 g
Weight per Piece (excluding packing)	478 g
Customs tariff number	85444290
Country of origin	DE

## Technical Data

### Product properties

Product type	System cable
Insulation characteristics	
Insulation	Functional insulation
Insulation characteristics: Air clearances and creepage distances	
Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

### Environmental and real-life conditions

#### Ambient conditions

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

### Electrical properties

Max. permissible operating voltage	25 V AC
	60 V DC
Nominal operating mode	100% operating factor
Max. current carrying capacity per path	2 A (see to derating)

#### Air clearances and creepage distances

Rated insulation voltage	125 V
Rated surge voltage	1.2 kV

### Cable/line

Cable length	2 m
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#### 37X0.25 [PVC]

Number of positions	37
Shielded	yes
Cable type	37X0.25 [PVC]
Conductor type	Assembled shielded round cable
Conductor structure signal line	14x 0.15 mm
AWG signal line	24
Conductor cross section	37x 0.25 mm <sup>2</sup>
Wire diameter incl. insulation	1.2 mm ±0.05 mm
External cable diameter	10.8 mm ±0.5 mm

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Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Bare Cu litz wires
Cable resistance	≤ 80 Ω/km (at 20 °C)
Insulation resistance	≥ 20 MΩ*km (at 20 °C)
Smallest bending radius, fixed installation	90 mm
Smallest bending radius, movable installation	170 mm
Max. bending cycles	5000 (at a radius of ≥ 15x outside diameter)
Halogen-free	no
Flame resistance	IEC 60332-1-2 (raw cable)
	VDE 0842, Part 332-1-2 (raw cable)
	IEC 60332-3-22 (raw cable)
	UL VW-1
	CSA FT-1
Resistance to oil	can withstand occasional splashes (raw cable)

## color code

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

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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
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

## Connection data

### Field level

Connection method	D-SUB socket strip
Number of connections	1
Number of positions	37
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200

### Controller level

Connection method	D-SUB socket strip
Number of connections	1
Number of positions	37
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200

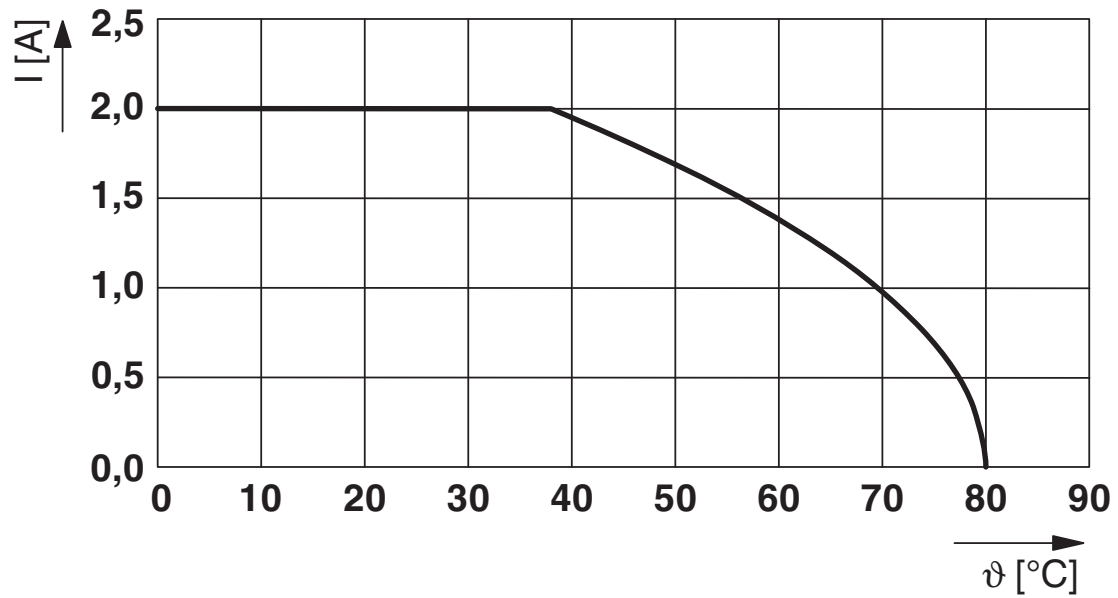
## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	DIN EN 50178
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Drawings

Diagram



Maximum permissible current per path in uncoiled state

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## Approvals

 <b>CSA</b> Approval ID: 70002966	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
	125 V	1 A	-	-

 <b>cUL Recognized</b> Approval ID: FILE E 238705	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
	125 V	2 A	-	-

 <b>UL Recognized</b> Approval ID: FILE E 238705	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
	125 V	2 A	-	-

 <b>EAC</b> Approval ID: RU*-DE.HB*35.B00385				
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## Classifications

### ECLASS

ECLASS-11.0	27242220
ECLASS-12.0	27242220
ECLASS-13.0	27242220

### ETIM

ETIM 8.0	EC000237
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"



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## Accessories

### KME - Cable marker carrier

0807083

<https://www.phoenixcontact.com/us/products/0807083>



Cable marker carrier, white, unlabeled, mounting type: Assembly with cable ties, cable diameter: > 5 mm, lettering field size: 20 x 8 mm

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