

# Cable - CABLE-D-37SUB/F/OE/0,25/S/1,5M



2926247

<https://www.phoenixcontact.com/pc/products/2926247>

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Assembled shielded round cable; connection 1: Single wires (37-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 37-position); cable length: 1.5 m

## Your advantages

- Individual wire marking: 1, 2, 3, 4, etc.
- Individual wires fitted with ferrules
- Connector in accordance with IEC 60807-2/DIN 41652
- 1:1 connection
- Open end at one end
- D-SUB socket or pin strip at one end
- Screw connection: 2 UNC 4-40 screws
- Shield connection: H05V-K 1 mm<sup>2</sup> cable, black, length: 0.5 m

## Commercial Data

Item number	2926247
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Product Key	CK2135
Catalog Page	Page 577 (C-5-2019)
GTIN	4046356546874
Weight per Piece (including packing)	356.4 g
Weight per Piece (excluding packing)	354.2 g
Customs tariff number	85444290
Country of origin	DE

## Technical Data

### Product properties

Product type	System cable
Insulation characteristics	
Overvoltage category	II
Pollution degree	2
Insulation	Functional insulation

### 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)
Rated insulation voltage	125 V
Rated surge voltage	1.2 kV

### Cable / line

Cable length	1.5 m
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
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Bare Cu litz wires
Cable resistance	≤ 80 Ω/km (at 20 °C)

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

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D-SUB37 (32)	() = yellow-blue
D-SUB37 (33)	() = green-red
D-SUB37 (34)	() = yellow-red
D-SUB37 (35)	() = green-black
D-SUB37 (36)	() = yellow-black
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	Single wires
Number of positions	37
Note	The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.

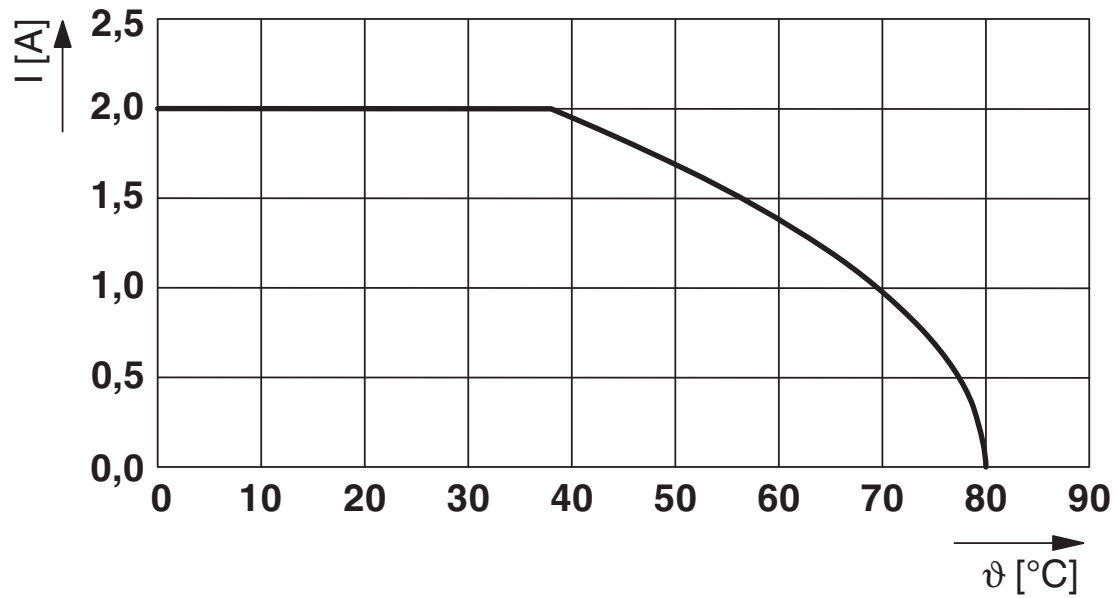
## Standards and regulations

### 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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<b>cULus Recognized</b>				
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## Classifications

### ECLASS

ECLASS-9.0	27242220
ECLASS-10.0.1	27242220
ECLASS-11.0	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

### Cable marker carrier

Cable marker carrier - KME - 0807083

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



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

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PHOENIX CONTACT GmbH & Co. KG  
Flachmarktstraße 8  
D-32825 Blomberg  
+49 (0) 5235-3 00  
[info@phoenixcontact.com](mailto:info@phoenixcontact.com)