

# CABLE-D-37SUB/F/OE/0,25/S/20M - Cable



2906219

<https://www.phoenixcontact.com/us/products/2906219>

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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: 20 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
- Shield connection: H05V-K 1 mm<sup>2</sup> cable, black, length: 0.5 m
- 1:1 connection
- Open end at one end
- D-SUB socket or pin strip at one end
- Screw connection: 2 UNC 4-40 screws

## Commercial data

Item number	2906219
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	DK2254
GTIN	4055626051055
Weight per piece (including packing)	4,071 g
Weight per piece (excluding packing)	4,071 g
Customs tariff number	85444290
Country of origin	DE

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## Technical data

### Product properties

Product type	System cable
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### Environmental and real-life conditions

#### Ambient conditions

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

### Electrical properties

Operating voltage (AC)	≤ 30 V AC
Operating voltage (DC)	≤ 60 V DC
Nominal operating mode	100% operating factor
Current (Per path)	≤ 2 A (Uncoiled, see derating)

### Cable/line

Cable length	20 m
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37X0.25 [PVC]	
UL AWM Style	2464/1061
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	10.80 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)
Insulation resistance	≥ 20 MΩ*km (at 20 °C)
Smallest bending radius, fixed installation	90 mm
Smallest bending radius, movable installation	170 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000 (at a radius of ≥ 15x outside diameter)
Halogen-free	no

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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)

## Connection data

### Connection 1

Connection method	Single wires
Stripping length (Sheath)	≈  mm
Number of positions	37
Note	The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.

### Connection 2

Connection in acc. with standard	IEC 60807-2 DIN 41652
Connection method	D-SUB socket strip
Screw thread	UNC 4-40
Number of connections	1
Number of positions	37
Tightening torque	0.2 Nm
Insertion/withdrawal cycles	> 200
Pitch	2.77 mm

## Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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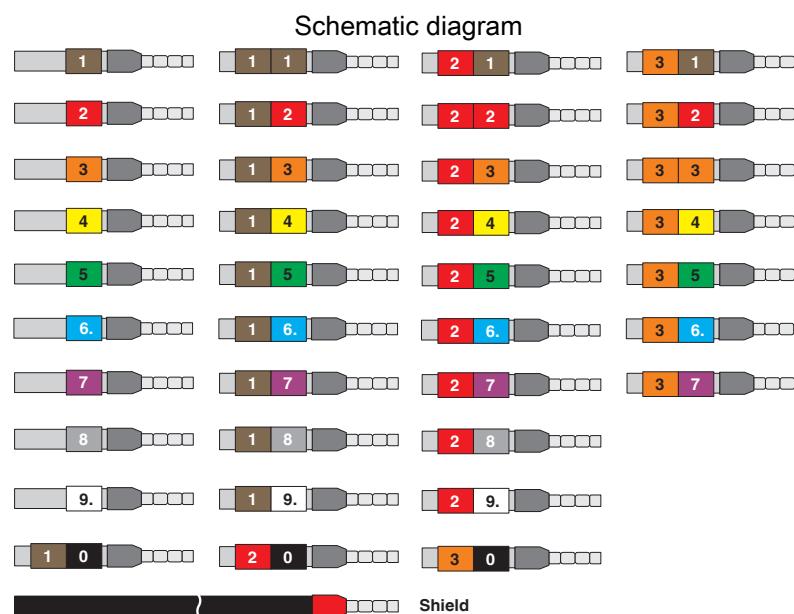
# CABLE-D-37SUB/F/OE/0,25/S/20M - Cable



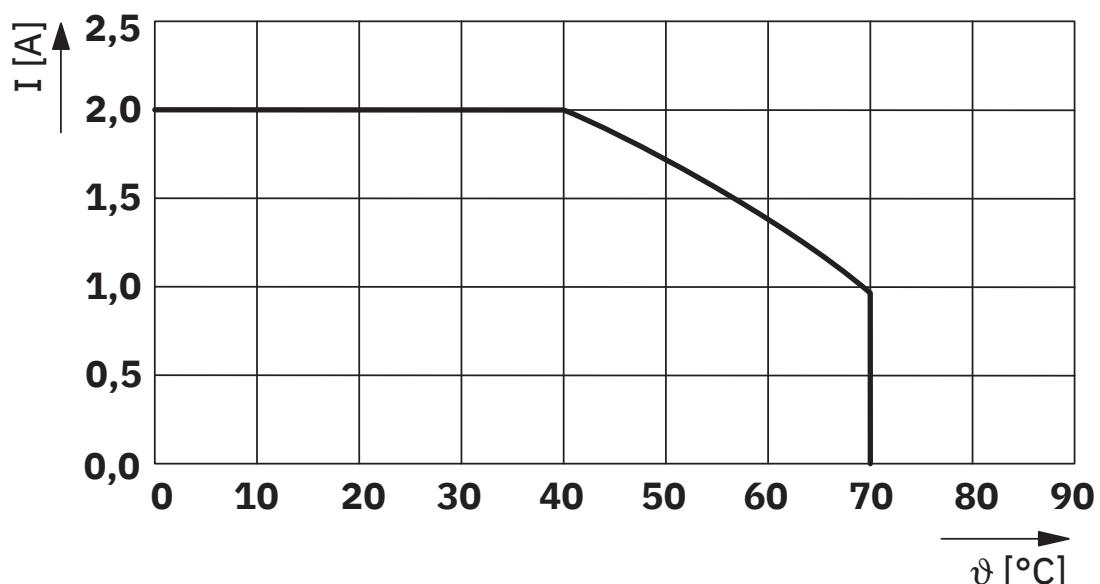
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## Drawings



Diagram



Maximum permissible current per path in uncoiled state

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## Approvals

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**cULus Listed**

Approval ID: E238705 V22/S5

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine	125 V	1 A	-	-



**cUL Recognized**

Approval ID: E238705

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine	125 V	2 A	-	-



**UL Recognized**

Approval ID: E238705

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine	125 V	2 A	-	-



**EAC**

Approval ID: RU\*-DE.HB\*35.B00385

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## Classifications

### ECLASS

ECLASS-13.0	27242220
ECLASS-15.0	27242220

### ETIM

ETIM 9.0	EC000237
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.	

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: n/a)
SCIP	1142e604-905a-4e75-b281-4e680ea05044

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