

# CABLE-D-37SUB/F/OE/0,25/S/2,0M - Cable



2926250

<https://www.phoenixcontact.com/us/products/2926250>

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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: 2 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                          | 2926250             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | C421                |
| Product key                          | CK2254              |
| Catalog page                         | Page 577 (C-5-2019) |
| GTIN                                 | 4046356548045       |
| Weight per piece (including packing) | 459 g               |
| Weight per piece (excluding packing) | 455.4 g             |
| Customs tariff number                | 85444290            |
| Country of origin                    | DE                  |

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## Technical data

### Product properties

|                        |              |
|------------------------|--------------|
| Product type           | System cable |
| Data management status |              |
| Article revision       | 04           |

### 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)<br>-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 | 2 m |
|--------------|-----|

#### 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                         |

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|                                 |                                                                        |
|---------------------------------|------------------------------------------------------------------------|
| Dynamic load capacity (bending) | Max. bending cycles: 5000 (at a radius of $\geq 15x$ 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

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

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

## 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. |

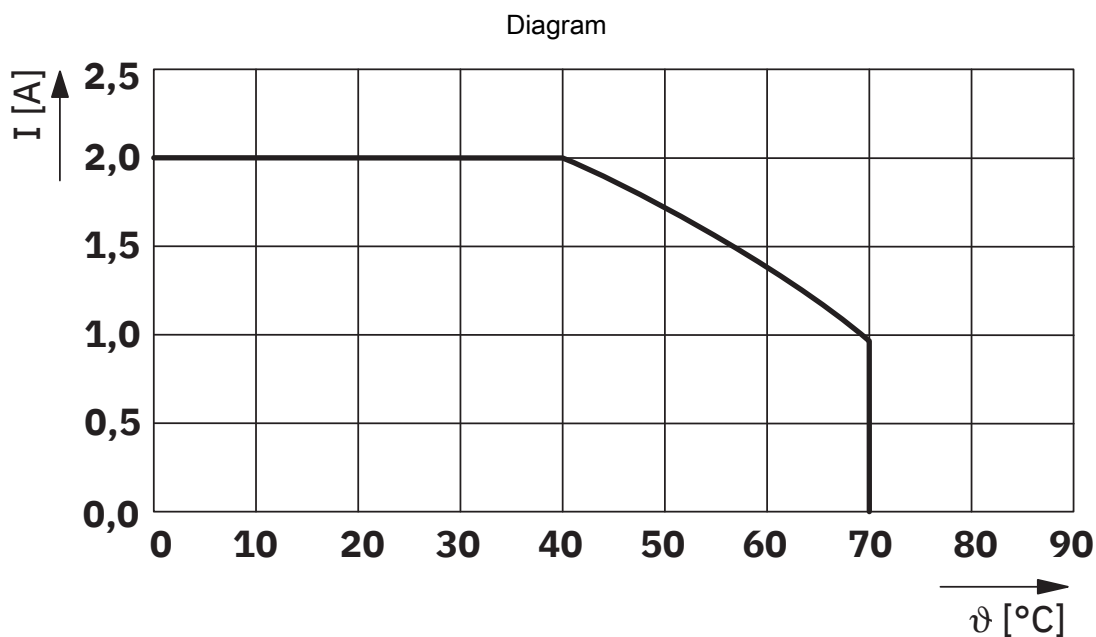
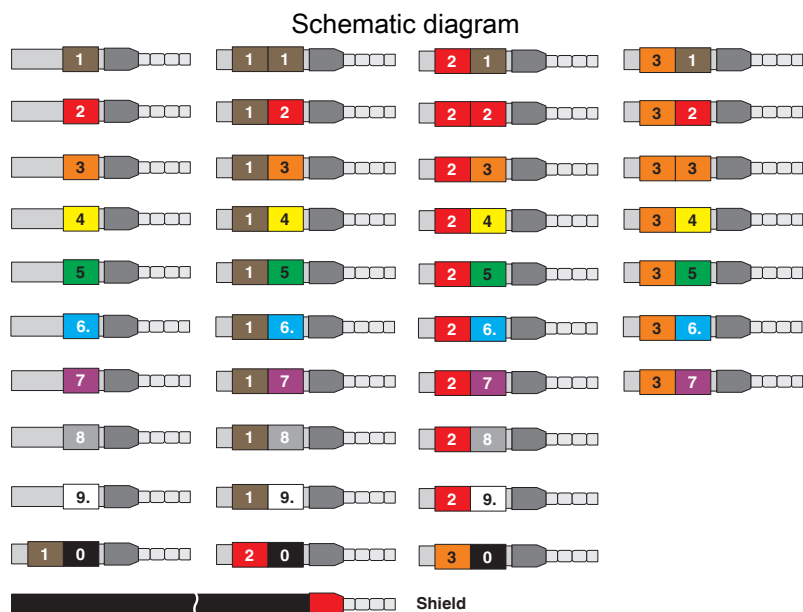
### Connection 2

|                                  |                    |
|----------------------------------|--------------------|
| 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 | No additional touch protection is required when using a SELV/PELV voltage ( $\leq 30$ V AC or 60 V DC).                                                                                                                                                                        |
| 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. |

## Drawings



Maximum permissible current per path in uncoiled state

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2926250>

|                                                                                                                       |                       |                       |                   |                             |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>CSA</b><br>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><br>Approval ID: E238705 |                       |                       |                   |                             |
|                                                                                                                                 | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                                                                 | 125 V                 | 2 A                   | -                 | -                           |

|                                                                                                                                 |                       |                       |                   |                             |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>UL Recognized</b><br>Approval ID: E238705 |                       |                       |                   |                             |
|                                                                                                                                 | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                                                                 | 125 V                 | 2 A                   | -                 | -                           |

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

|                         |  |  |  |  |
|-------------------------|--|--|--|--|
| <b>cULus Recognized</b> |  |  |  |  |
|-------------------------|--|--|--|--|

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## Classifications

### ECLASS

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

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000237 |
|----------|----------|

### 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: 7439-92-1)                 |
| SCIP                                | bbccefd8-235c-43bb-a7fd-00eb9c2f003a |

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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)