

# CABLE-D-25SUB/F/OE/0,25/S/15M - Cable



2906215

<https://www.phoenixcontact.com/gb/products/2906215>

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Assembled shielded round cable; connection 1: Single wires (25-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 25-position); cable length: 15 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
- Screw connection: 2 UNC 4-40 screws
- D-SUB socket or pin strip at one end
- Shield connection: H05V-K 1 mm<sup>2</sup> cable, black, length: 0.5 m

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2906215       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DK2254        |
| Product key                          | DK2254        |
| GTIN                                 | 4055626051017 |
| Weight per piece (including packing) | 2,312.8 g     |
| Weight per piece (excluding packing) | 2,312.8 g     |
| Customs tariff number                | 85444290      |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|              |              |
|--------------|--------------|
| Product type | System cable |
|--------------|--------------|

### 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 | 15 m |
|--------------|------|

#### 25X0.25 [PVC]

|                                               |                                                                   |
|-----------------------------------------------|-------------------------------------------------------------------|
| UL AWM Style                                  | 2464/1061                                                         |
| Number of positions                           | 25                                                                |
| Shielded                                      | yes                                                               |
| Cable type                                    | 25X0.25 [PVC]                                                     |
| Conductor type                                | Assembled shielded round cable                                    |
| Conductor structure signal line               | 14x 0.15 mm                                                       |
| AWG signal line                               | 24                                                                |
| Conductor cross section                       | 25x 0.25 mm <sup>2</sup>                                          |
| Wire diameter incl. insulation                | 1.2 mm ±0.05 mm                                                   |
| External cable diameter                       | 9.80 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   | 82 mm                                                             |
| Smallest bending radius, movable installation | 155 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) |

## Color code

|              |                   |
|--------------|-------------------|
| white        | D-SUB25 (1) = ()  |
| brown        | D-SUB25 (2) = ()  |
| green        | D-SUB25 (3) = ()  |
| yellow       | D-SUB25 (4) = ()  |
| gray         | D-SUB25 (5) = ()  |
| pink         | D-SUB25 (6) = ()  |
| blue         | D-SUB25 (7) = ()  |
| red          | D-SUB25 (8) = ()  |
| black        | D-SUB25 (9) = ()  |
| violet       | D-SUB25 (10) = () |
| gray-pink    | D-SUB25 (11) = () |
| red-blue     | D-SUB25 (12) = () |
| white-green  | D-SUB25 (13) = () |
| brown-green  | D-SUB25 (14) = () |
| white-yellow | D-SUB25 (15) = () |
| yellow-brown | D-SUB25 (16) = () |
| white-gray   | D-SUB25 (17) = () |
| gray-brown   | D-SUB25 (18) = () |
| white-pink   | D-SUB25 (19) = () |
| pink-brown   | D-SUB25 (20) = () |
| white-blue   | D-SUB25 (21) = () |
| brown-blue   | D-SUB25 (22) = () |
| white-red    | D-SUB25 (23) = () |
| brown-red    | D-SUB25 (24) = () |
| white-black  | D-SUB25 (25) = () |

## Connection data

### Connection 1

|                           |                                                                                                      |
|---------------------------|------------------------------------------------------------------------------------------------------|
| Connection method         | Single wires                                                                                         |
| Stripping length (Sheath) | ≈  mm             |
| Number of positions       | 25                                                                                                   |
| 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   |

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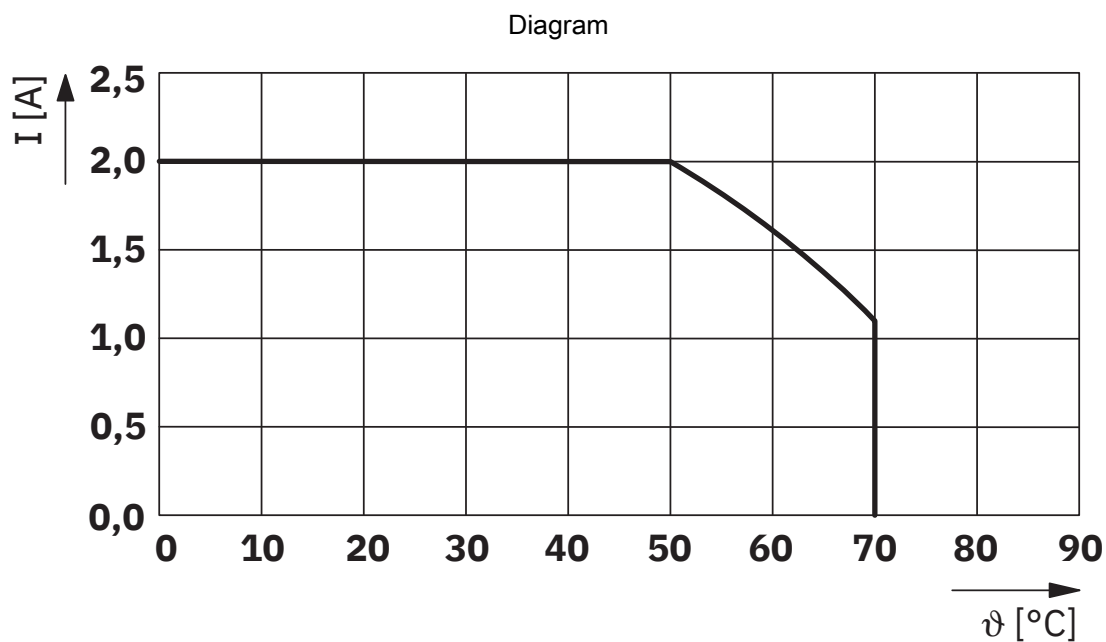
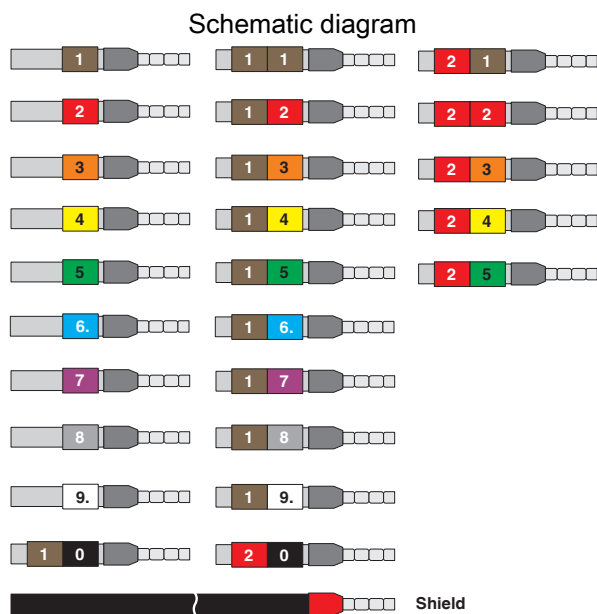
<https://www.phoenixcontact.com/gb/products/2906215>

|                             |                    |
|-----------------------------|--------------------|
| Connection method           | D-SUB socket strip |
| Screw thread                | UNC 4-40           |
| Number of connections       | 1                  |
| Number of positions         | 25                 |
| 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. |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 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/gb/products/2906215>



**cULus Listed**

Approval ID: E238705 V22/S5



**CSA**

Approval ID: 70002966

|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | 125 V                 | 1 A                   | -                 | -                           |



**cUL Recognized**

Approval ID: E238705

|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | 125 V                 | 2 A                   | -                 | -                           |



**UL Recognized**

Approval ID: E238705

|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | 125 V                 | 2 A                   | -                 | -                           |



**EAC**

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

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| 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                                | b5ed3b08-0291-4713-af35-e3b55db37c38 |

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