

# CABLE-D25SUB/S/S/HF/S/ 1,0M - Cable

1066668

<https://www.phoenixcontact.com/gb/products/1066668>



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Assembled, shielded, halogen-free round cable; connection 1: D-SUB pin strip (1x 25-position); connection 2: D-SUB pin strip (1x 25-position); cable length: 1 m

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1066668                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | DK2258                         |
| Product key                          | DK2258                         |
| Catalog page                         | Page 573 (C-5-2019)            |
| GTIN                                 | 4055626732831                  |
| Weight per piece (including packing) | 231.7 g                        |
| Weight per piece (excluding packing) | 231.7 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                                  | 1 m   |
| UL AWM Style                                  | 21946   |
| Number of positions                           | 25  |
| Shielded                                      | yes   |
| Conductor type                                | Assembled, shielded, halogen-free round cable                     |
| Conductor structure signal line               | 14x 0.15 mm   |
| AWG signal line                               | 24  |
| Conductor cross section                       | 25x 0.25 mm²  |
| Wire diameter incl. insulation                | 1.2 mm ±0.05 mm   |
| External cable diameter                       | 9.80 mm ±0.5 mm   |
| Outer sheath, material                        | Halogen-free sheath   |
| 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                                  | yes   |
| Flame resistance                              | IEC 60332-1-2 (raw cable)<br>VDE 0842, Part 332-1-2 (raw cable)   |

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|                   |   |
|-------------------|---|
|                   | IEC 60332-3-22 (raw cable)                    |
| Resistance to oil | can withstand occasional splashes (raw cable) |

## Color code

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

## Connection data

### Connection 1

|                                  |                 |
|----------------------------------|-----------------|
| Connection in acc. with standard | IEC 60807-2     |
|                                  | DIN 41652       |
| Connection method                | D-SUB pin 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         |

### Connection 2

|                                  |             |
|----------------------------------|-------------|
| Connection in acc. with standard | IEC 60807-2 |
|----------------------------------|-------------|

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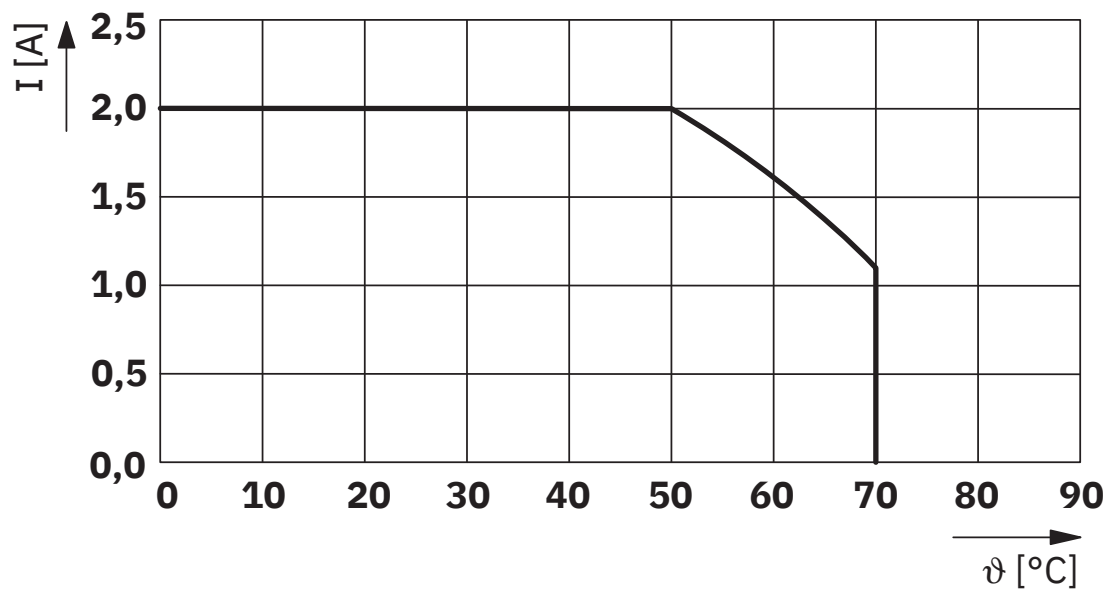
|                             |                 |
|-----------------------------|-----------------|
|                             | DIN 41652       |
| Connection method           | D-SUB pin strip |
| Screw thread                | UNC 4-40        |
| Number of connections       | 1               |
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| 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

Diagram



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/1066668>

|   |                       |                       |                   |                             |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|  <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                 | 1 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                 | 1 A                   | -                 | -                           |

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

|  |  |  |  |  |
|--|--|--|--|--|
|  <b>cULus Listed</b><br>Approval ID: E238705 V22/S5 |  |  |  |  |
|--|--|--|--|--|

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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                                | 6ea1fed9-9fbf-426e-b5a4-6690931f936e |

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