

# CABLE-D-50SUB/F/OE/0,25/S/2,0M - Cable



2926328

<https://www.phoenixcontact.com/gb/products/2926328>

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Assembled shielded round cable; connection 1: Single wires (50-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 50-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                          | 2926328       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DK2254        |
| Product key                          | DK2254        |
| GTIN                                 | 4046356546911 |
| Weight per piece (including packing) | 571 g         |
| Weight per piece (excluding packing) | 569 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) (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 | 2 m |
|--------------|-----|

#### 50X0.25 [PVC]

|                                               |                                |
|-----------------------------------------------|--------------------------------|
| UL AWM Style                                  | 2464/1061                      |
| Number of positions                           | 50                             |
| Shielded                                      | yes                            |
| Cable type                                    | 50X0.25 [PVC]                  |
| Conductor type                                | Assembled shielded round cable |
| Conductor structure signal line               | 14x 0.15 mm                    |
| AWG signal line                               | 24                             |
| Conductor cross-section                       | 50x 0.25 mm <sup>2</sup>       |
| Wire diameter incl. insulation                | 1.2 mm ±0.05 mm                |
| External cable diameter                       | 12.40 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   | 106 mm                         |
| Smallest bending radius, movable installation | 200 mm                         |
| Halogen-free                                  | no                             |
| IEC 60332-1-2 (raw cable)                     |                                |

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|                   |                                               |
|-------------------|-----------------------------------------------|
| Flame resistance  | 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: Single-core wire

|              |                   |
|--------------|-------------------|
| white        | D-SUB50 (1) = ()  |
| brown        | D-SUB50 (2) = ()  |
| green        | D-SUB50 (3) = ()  |
| yellow       | D-SUB50 (4) = ()  |
| gray         | D-SUB50 (5) = ()  |
| pink         | D-SUB50 (6) = ()  |
| blue         | D-SUB50 (7) = ()  |
| red          | D-SUB50 (8) = ()  |
| black        | D-SUB50 (9) = ()  |
| violet       | D-SUB50 (10) = () |
| gray-pink    | D-SUB50 (11) = () |
| red-blue     | D-SUB50 (12) = () |
| white-green  | D-SUB50 (13) = () |
| brown-green  | D-SUB50 (14) = () |
| white-yellow | D-SUB50 (15) = () |
| yellow-brown | D-SUB50 (16) = () |
| white-gray   | D-SUB50 (17) = () |
| gray-brown   | D-SUB50 (18) = () |
| white-pink   | D-SUB50 (19) = () |
| pink-brown   | D-SUB50 (20) = () |
| white-blue   | D-SUB50 (21) = () |
| brown-blue   | D-SUB50 (22) = () |
| white-red    | D-SUB50 (23) = () |
| brown-red    | D-SUB50 (24) = () |
| white-black  | D-SUB50 (25) = () |
| brown-black  | D-SUB50 (26) = () |
| gray-green   | D-SUB50 (27) = () |
| yellow-gray  | D-SUB50 (28) = () |
| pink-green   | D-SUB50 (29) = () |
| yellow-pink  | D-SUB50 (30) = () |
| green-blue   | D-SUB50 (31) = () |
| yellow-blue  | D-SUB50 (32) = () |
| green-red    | D-SUB50 (33) = () |
| yellow-red   | D-SUB50 (34) = () |
| green-black  | D-SUB50 (35) = () |
| yellow-black | D-SUB50 (36) = () |
| gray-blue    | D-SUB50 (37) = () |

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|                    |                   |
|--------------------|-------------------|
| pink-blue          | D-SUB50 (38) = () |
| gray-red           | D-SUB50 (39) = () |
| pink-red           | D-SUB50 (40) = () |
| gray-black         | D-SUB50 (41) = () |
| pink-black         | D-SUB50 (42) = () |
| blue-black         | D-SUB50 (43) = () |
| red-black          | D-SUB50 (44) = () |
| white-brown-black  | D-SUB50 (45) = () |
| yellow-green-black | D-SUB50 (46) = () |
| gray-pink-black    | D-SUB50 (47) = () |
| blue-red-black     | D-SUB50 (48) = () |
| white-green-black  | D-SUB50 (49) = () |
| green-brown-black  | D-SUB50 (50) = () |

## Connection data

### Connection 1

|                           |                                                                                                      |
|---------------------------|------------------------------------------------------------------------------------------------------|
| Connection method         | Single wires                                                                                         |
| Stripping length (Sheath) | ≈  mm             |
| Number of positions       | 50                                                                                                   |
| Note                      | The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end. |

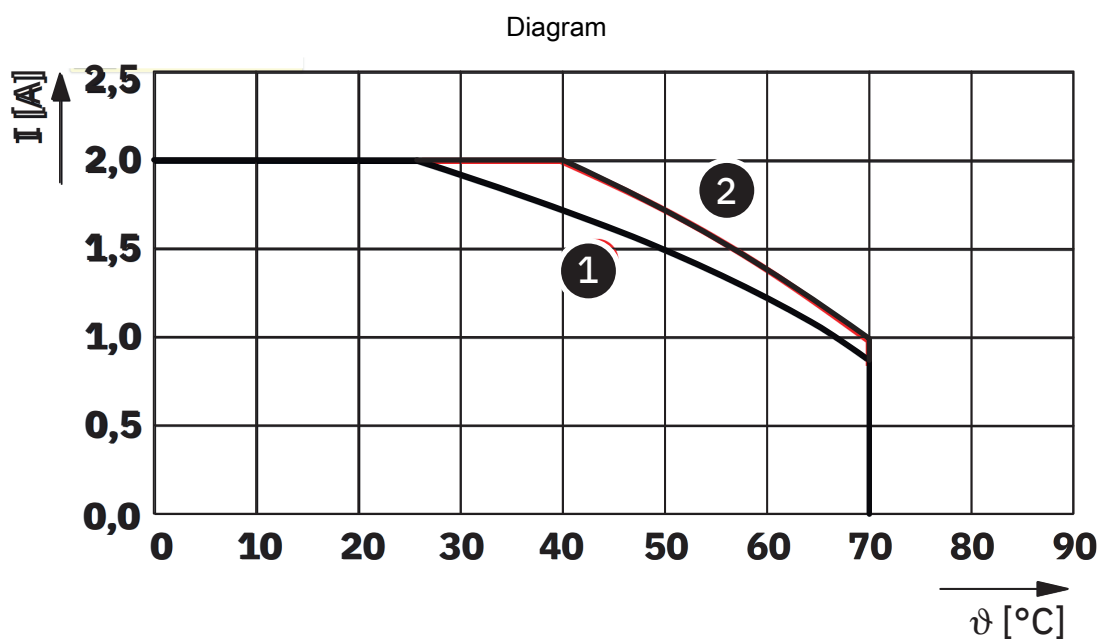
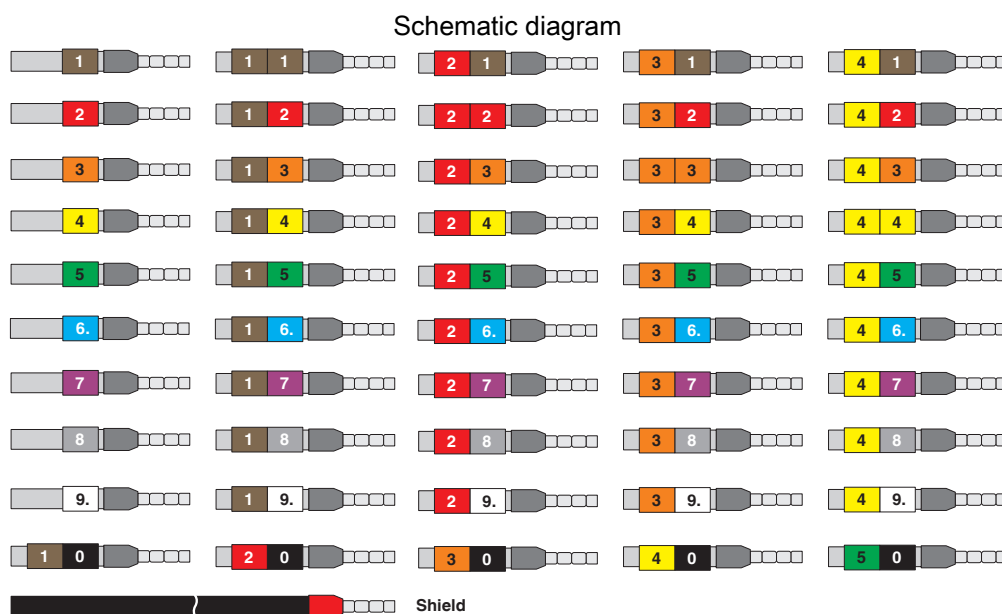
### Connection 2

|                                  |                    |
|----------------------------------|--------------------|
| 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              | 50                 |
| 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



- (1) Derating: standard
- (2) Derating: in accordance with UL

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/2926328>

|  <b>CSA</b><br>Approval ID: 70002966 |                                |                                |                   |                               |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------|-------------------------------|
|                                                                                                                       | Nominal voltage U <sub>N</sub> | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
| keine                                                                                                                 |                                |                                |                   |                               |
|                                                                                                                       | 125 V                          | 1 A                            | -                 | -                             |

|  <b>cUL Recognized</b><br>Approval ID: E238705 |                                |                                |                   |                               |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------|-------------------------------|
|                                                                                                                                 | Nominal voltage U <sub>N</sub> | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
| keine                                                                                                                           |                                |                                |                   |                               |
|                                                                                                                                 | 125 V                          | 2 A                            | -                 | -                             |

|  <b>UL Recognized</b><br>Approval ID: E238705 |                                |                                |                   |                               |
|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------|-------------------------------|
|                                                                                                                                  | Nominal voltage U <sub>N</sub> | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
| keine                                                                                                                            |                                |                                |                   |                               |
|                                                                                                                                  | 125 V                          | 2 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 |
| ECLASS-15.0 | 27242220 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC000237 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 26121600 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|                                         |              |
|-----------------------------------------|--------------|
| Fulfills EU RoHS substance requirements | Yes          |
| Exemption                               | 6(a), 6(a)-I |

### 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                                | e555a470-408f-4bfe-bfa7-e0315a00dca5 |

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PHOENIX CONTACT Ltd  
Halesfield 13, Telford  
Shropshire, TF7 4PG  
01952 681700  
[info@phoenixcontact.co.uk](mailto:info@phoenixcontact.co.uk)