

CABLE-D-50SUB/F/OE/0,25/S/4,0M - Cable



2926344

<https://www.phoenixcontact.com/us/products/2926344>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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: 4 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 mm² cable, black, length: 0.5 m

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2926344 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C421 |
| Product key | DK2254 |
| GTIN | 4046356548083 |
| Weight per piece (including packing) | 1,090 g |
| Weight per piece (excluding packing) | 333.333 g |
| Customs tariff number | 85444290 |
| Country of origin | DE |

CABLE-D-50SUB/F/OE/0,25/S/4,0M - Cable



2926344

<https://www.phoenixcontact.com/us/products/2926344>

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 | 4 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 ² |
| 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) |

CABLE-D-50SUB/F/OE/0,25/S/4,0M - Cable



2926344

<https://www.phoenixcontact.com/us/products/2926344>

| | |
|-------------------|---|
| 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) = () |

CABLE-D-50SUB/F/OE/0,25/S/4,0M - Cable



2926344

<https://www.phoenixcontact.com/us/products/2926344>

| | |
|--------------------|-------------------|
| 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

Schematic diagram



Diagram



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

CABLE-D-50SUB/F/OE/0,25/S/4,0M - Cable



2926344

<https://www.phoenixcontact.com/us/products/2926344>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2926344>

|  CSA Approval ID: 70002966 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | 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 | | | | |
|--|--|--|--|--|
|--|--|--|--|--|

|  cULus Listed Approval ID: E238705 V22/S5 | | | | |
|--|--|--|--|--|
|--|--|--|--|--|

CABLE-D-50SUB/F/OE/0,25/S/4,0M - Cable



2926344

<https://www.phoenixcontact.com/us/products/2926344>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27242220 |
| ECLASS-15.0 | 27242220 |

ETIM

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

UNSPSC

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

CABLE-D-50SUB/F/OE/0,25/S/4,0M - Cable



2926344

<https://www.phoenixcontact.com/us/products/2926344>

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 | 78e52b64-fdc5-446b-a291-a076bf316969 |

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

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