

# CABLE-D37SUB/S/S/100/KONFEK/S - Cable



2305664

<https://www.phoenixcontact.com/us/products/2305664>

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: D-SUB pin strip (1x 37-position); connection 2: D-SUB pin strip (1x 37-position); cable length: 1 m

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2305664                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C421                           |
| Product key                          | CK2135                         |
| Catalog page                         | Page 571 (C-5-2019)            |
| GTIN                                 | 4046356012003                  |
| Weight per piece (including packing) | 283.7 g                        |
| Weight per piece (excluding packing) | 283.7 g                        |
| Customs tariff number                | 85444290                       |
| Country of origin                    | DE                             |

# CABLE-D37SUB/S/S/100/KONFEK/S - Cable



2305664

<https://www.phoenixcontact.com/us/products/2305664>

## 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 |
|--------------|-----|

#### 37X0.25 [PVC]

|   |  |
|---|--|
| 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                                       |
| Max. bending cycles                           | 5000 (at a radius of ≥ 15x outside diameter) |
| Halogen-free                                  | no   |
|   | IEC 60332-1-2 (raw cable)                    |

# CABLE-D37SUB/S/S/100/KONFEK/S - Cable



2305664

<https://www.phoenixcontact.com/us/products/2305664>

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

|              |                             |
|--------------|-----------------------------|
| D-SUB37 (1)  | D-SUB37 (1) = white         |
| D-SUB37 (2)  | D-SUB37 (2) = brown         |
| D-SUB37 (3)  | D-SUB37 (3) = green         |
| D-SUB37 (4)  | D-SUB37 (4) = yellow        |
| D-SUB37 (5)  | D-SUB37 (5) = gray          |
| D-SUB37 (6)  | D-SUB37 (6) = pink          |
| D-SUB37 (7)  | D-SUB37 (7) = blue          |
| D-SUB37 (8)  | D-SUB37 (8) = red           |
| D-SUB37 (9)  | D-SUB37 (9) = black         |
| D-SUB37 (10) | D-SUB37 (10) = violet       |
| D-SUB37 (11) | D-SUB37 (11) = gray-pink    |
| D-SUB37 (12) | D-SUB37 (12) = red-blue     |
| D-SUB37 (13) | D-SUB37 (13) = white-green  |
| D-SUB37 (14) | D-SUB37 (14) = brown-green  |
| D-SUB37 (15) | D-SUB37 (15) = white-yellow |
| D-SUB37 (16) | D-SUB37 (16) = yellow-brown |
| D-SUB37 (17) | D-SUB37 (17) = white-gray   |
| D-SUB37 (18) | D-SUB37 (18) = gray-brown   |
| D-SUB37 (19) | D-SUB37 (19) = white-pink   |
| D-SUB37 (20) | D-SUB37 (20) = pink-brown   |
| D-SUB37 (21) | D-SUB37 (21) = white-blue   |
| D-SUB37 (22) | D-SUB37 (22) = brown-blue   |
| D-SUB37 (23) | D-SUB37 (23) = white-red    |
| D-SUB37 (24) | D-SUB37 (24) = brown-red    |
| D-SUB37 (25) | D-SUB37 (25) = white-black  |
| D-SUB37 (26) | D-SUB37 (26) = brown-black  |
| D-SUB37 (27) | D-SUB37 (27) = gray-green   |
| D-SUB37 (28) | D-SUB37 (28) = yellow-gray  |
| D-SUB37 (29) | D-SUB37 (29) = pink-green   |
| D-SUB37 (30) | D-SUB37 (30) = yellow-pink  |
| D-SUB37 (31) | D-SUB37 (31) = green-blue   |
| D-SUB37 (32) | D-SUB37 (32) = yellow-blue  |
| D-SUB37 (33) | D-SUB37 (33) = green-red    |
| D-SUB37 (34) | D-SUB37 (34) = yellow-red   |
| D-SUB37 (35) | D-SUB37 (35) = green-black  |
| D-SUB37 (36) | D-SUB37 (36) = yellow-black |
| D-SUB37 (37) | D-SUB37 (37) = gray-blue    |

# CABLE-D37SUB/S/S/100/KONFEK/S - Cable



2305664

<https://www.phoenixcontact.com/us/products/2305664>

## 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              | 37              |
| Tightening torque                | 0.2 Nm          |
| Insertion/withdrawal cycles      | > 200           |
| Pitch                            | 2.77 mm         |

### Connection 2

|                                  |                 |
|----------------------------------|-----------------|
| 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              | 37              |
| Tightening torque                | 0.2 Nm          |
| Insertion/withdrawal cycles      | > 200           |
| Pitch                            | 2.77 mm         |

## Notes

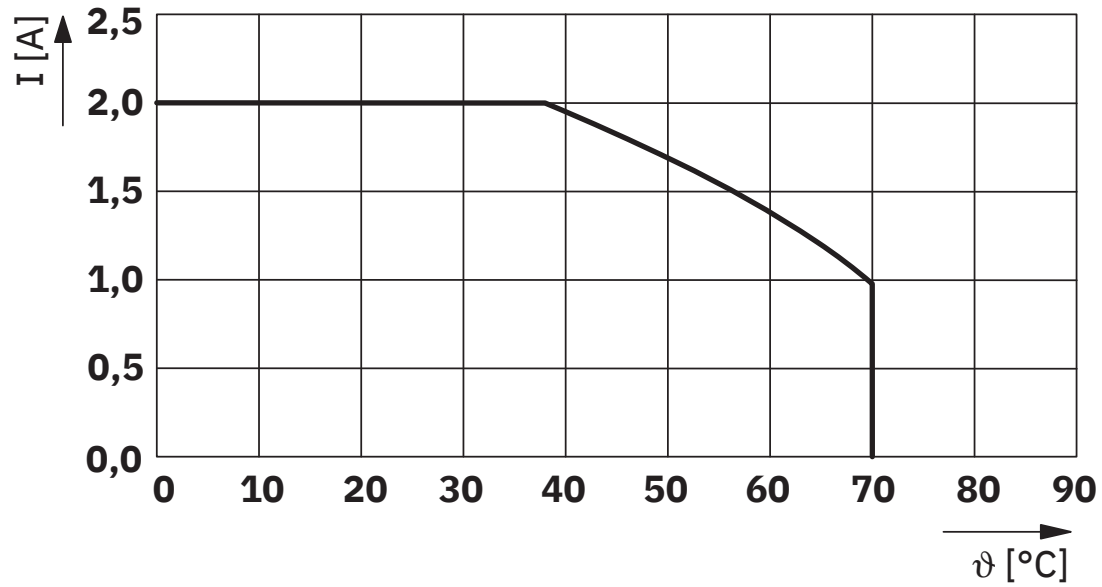
|         |  |
|---------|--|
| General | For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met. |
|---------|--|

2305664

<https://www.phoenixcontact.com/us/products/2305664>

## Drawings

Diagram



Maximum permissible current per path in uncoiled state

# CABLE-D37SUB/S/S/100/KONFEK/S - Cable




2305664


<https://www.phoenixcontact.com/us/products/2305664>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2305664>

|  <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: FILE E 238705 |                       |                       |                   |                             |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|   | 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: FILE E 238705 |                       |                       |                   |                             |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|   | 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> |  |  |  |  |
|-------------------------|--|--|--|--|
|-------------------------|--|--|--|--|

# CABLE-D37SUB/S/S/100/KONFEK/S - Cable



2305664

<https://www.phoenixcontact.com/us/products/2305664>

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

# CABLE-D37SUB/S/S/100/KONFEK/S - Cable



2305664

<https://www.phoenixcontact.com/us/products/2305664>

## Environmental product compliance

|            |  |
|------------|--|
| REACH SVHC | Lead 7439-92-1   |
| China RoHS | Environmentally Friendly Use Period = 50 years   |
|            | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |



# CABLE-D37SUB/S/S/100/KONFEK/S - Cable



2305664

<https://www.phoenixcontact.com/us/products/2305664>

## Accessories

### KME - Cable marker carrier

0807083

<https://www.phoenixcontact.com/us/products/0807083>



Cable marker carrier, white, unlabeled, mounting type: Assembly with cable ties, cable diameter: > 5 mm, lettering field size: 20 x 8 mm

---

Phoenix Contact 2024 © - 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](mailto:info@phoenixcon.com)