# CABLE-D37SUB/S/S/200/KONFEK/S - Cable

2305677

https://www.phoenixcontact.com/us/products/2305677

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

## Commercial data

| | |
|---|---|
| Item number | 2305677 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | C421 |
| Product key | DK2252 |
| GTIN | 4046356012010 |
| Weight per piece (including packing) | 473 g |
| Weight per piece (excluding packing) | 473 g |
| Customs tariff number | 85444290 |
| Country of origin | DE |

# 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 |

### 37X0.25 [PVC]

| | |
|---|---|
| UL AWM Style | 2464/1061 |
| 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 mm² |
| 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 |
| Dynamic load capacity (bending) | Max. bending cycles: 5000 (at a radius of ≥ 15x outside diameter) |
| Halogen-free | no |

| | |
|---|---|
| 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: Single-core wire

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

| | |
|---|---|
| gray-blue | D-SUB37 (37) = D-SUB37 (37) |

## 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

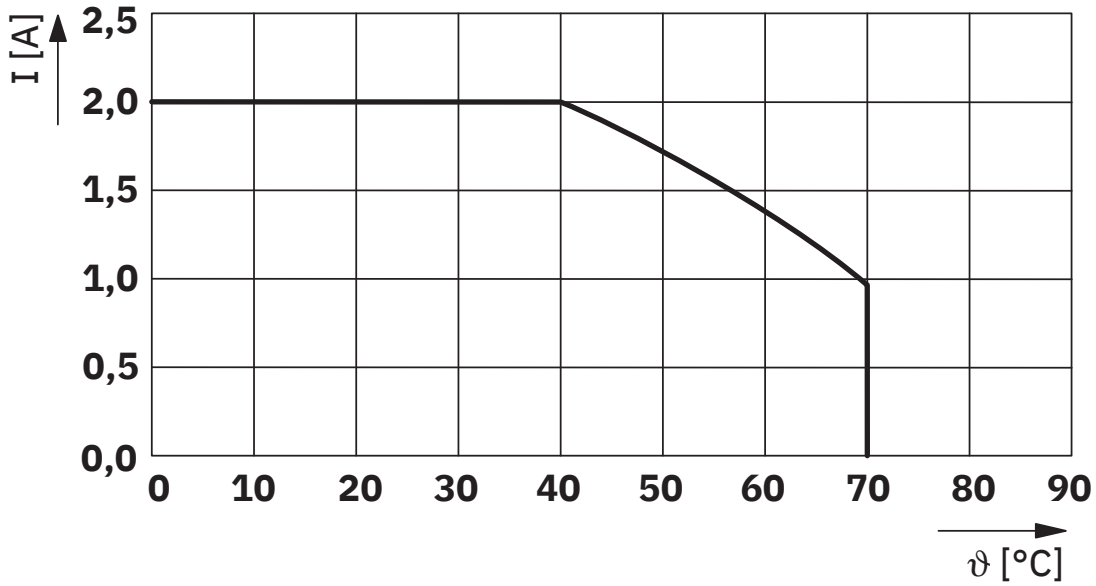
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| Insertion/withdrawal cycles | > 200 |
| Pitch | 2.77 mm |

## 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

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2305677

**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

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 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 | fb82e719-acfb-4746-946e-bdd007771ace |


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