

# CABLE-D37SUB/B/S/HF/S/ 1,0M - Cable



1066608

<https://www.phoenixcontact.com/us/products/1066608>

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

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1066608                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C421                           |
| Product key                          | CK2258                         |
| Catalog page                         | Page 572 (C-5-2019)            |
| GTIN                                 | 4055626732824                  |
| Weight per piece (including packing) | 280.1 g                        |
| Weight per piece (excluding packing) | 280.1 g                        |
| Customs tariff number                | 85444290                       |
| Country of origin                    | DE                             |

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## Technical data

### Product properties

|                        |              |
|------------------------|--------------|
| Product type           | System cable |
| Data management status |              |
| Article revision       | 02           |

### 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                                                               |
| Number of positions                           | 37                                                                |
| 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                       | 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                        | 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   | 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                                  | yes                                                               |

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)                    |
| Resistance to oil | can withstand occasional splashes (raw cable) |

## Color code

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

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## Connection 1

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

|                    |                                                                                                                                                                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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/us/products/1066608>

|                                                                                                                       |                       |                       |                   |                             |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <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 |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|

|                         |  |  |  |  |
|-------------------------|--|--|--|--|
| <b>cULus Recognized</b> |  |  |  |  |
|-------------------------|--|--|--|--|

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27242220 |
| ECLASS-12.0 | 27242220 |
| 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                                    | 0eda29df-51ad-4f54-8eed-05628f15ff27                                                                                                                                                                                              |

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