

# CABLE-D 9SUB/B/S/100/KONFEK/S - Cable



2299990

<https://www.phoenixcontact.com/us/products/2299990>

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Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 1 m



## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 2299990             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | C421                |
| Product key                          | CK2135              |
| Catalog page                         | Page 570 (C-5-2019) |
| GTIN                                 | 4017918892951       |
| Weight per piece (including packing) | 120.8 g             |
| Weight per piece (excluding packing) | 115.4 g             |
| Customs tariff number                | 85444290            |
| Country of origin                    | HU                  |

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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)              | -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 |
|--------------|-----|

#### 9X0.25 [PVC]

|   |  |
|---|--|
| Number of positions                           | 9  |
| Shielded                                      | yes  |
| Cable type                                    | 9X0.25 [PVC]                                 |
| Conductor type                                | Assembled shielded round cable               |
| Conductor structure signal line               | 14x 0.15 mm                                  |
| AWG signal line                               | 24   |
| Conductor cross section                       | 9x 0.25 mm <sup>2</sup>                      |
| Wire diameter incl. insulation                | 1.2 mm ±0.05 mm                              |
| External cable diameter                       | 6.70 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   | 58 mm  |
| Smallest bending radius, movable installation | 108 mm                                       |
| Max. bending cycles                           | 5000 (at a radius of ≥ 15x outside diameter) |
| 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) |
| D-SUB9 (1)        | D-SUB9 (1) = white                            |
| D-SUB9 (2)        | D-SUB9 (2) = brown                            |
| D-SUB9 (3)        | D-SUB9 (3) = green                            |
| D-SUB9 (4)        | D-SUB9 (4) = yellow                           |
| D-SUB9 (5)        | D-SUB9 (5) = gray                             |
| D-SUB9 (6)        | D-SUB9 (6) = pink                             |
| D-SUB9 (7)        | D-SUB9 (7) = blue                             |
| D-SUB9 (8)        | D-SUB9 (8) = red                              |
| D-SUB9 (9)        | D-SUB9 (9) = black                            |

## Connection data

### 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              | 9                  |
| Tightening torque                | 0.2 Nm             |
| Insertion/withdrawal cycles      | > 200              |
| Pitch                            | 2.74 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              | 9               |
| Tightening torque                | 0.2 Nm          |
| Insertion/withdrawal cycles      | > 200           |
| Pitch                            | 2.74 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. |
|---------|--|

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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

|            |  |
|------------|--|
| 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" |

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