

# VIP-CAB-FLK20/2,8X0,8/35,0M/S - Cable



2904560

<https://www.phoenixcontact.com/us/products/2904560>

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Assembled shielded round cable with additional shield connection and one 20-pos. molded socket strip (90° outlet) and an open end. At the open end, the wires are marked 1 to 20 and are fitted with slip-on sleeves, cable length: 35 m

## Your advantages

- 20-pos.
- 1:1 connection
- Open end at one end

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2904560       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 12 pc         |
| Product key                          | DK2AH2        |
| GTIN                                 | 4046356862264 |
| Weight per piece (including packing) | 3,162 g       |
| Weight per piece (excluding packing) | 3,162 g       |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|              |              |
|--------------|--------------|
| Product type | System cable |
|--------------|--------------|

Insulation characteristics: Air clearances and creepage distances

|            |                       |
|------------|-----------------------|
| Insulation | Functional insulation |
|------------|-----------------------|

### Environmental and real-life conditions

Ambient conditions

|  |                                |
|--|--------------------------------|
| Degree of protection                         | IP20                           |
| Degree of protection (Installation location) | ≥ IP54 (Installation location) |
| Ambient temperature (operation)              | -20 °C ... 50 °C               |
| Ambient temperature (storage/transport)      | -20 °C ... 70 °C               |

### Electrical properties

|                        |           |
|------------------------|-----------|
| Operating voltage (DC) | ≤ 24 V DC |
| Current (Per path)     | ≤ 0.5 A   |

### Cable/line

|   |  |
|---|--|
| Cable length                                  | 35 m   |
| UL AWM Style                                  | 2464/1061  |
| Number of positions                           | 20   |
| Shielded                                      | yes  |
| Conductor type                                | Assembled shielded round cable   |
| Conductor structure signal line               | 7x 0.16 mm   |
| AWG signal line                               | 26   |
| Conductor cross-section                       | 20x 0.14 mm <sup>2</sup>   |
| Wire diameter incl. insulation                | 1 mm ±0.03 mm  |
| External cable diameter                       | 7.70 mm ±0.3 mm  |
| Outer sheath, material                        | Semi-rigid PVC   |
| External sheath, color                        | gray   |
| Conductor material                            | Tin-plated Cu litz wires   |
| Cable resistance                              | ≤ 145 Ω/km (at 20 °C)  |
| Insulation resistance                         | ≥ 20 MΩ*km (20 °C)   |
| Smallest bending radius, fixed installation   | 80 mm  |
| Smallest bending radius, movable installation | 144 mm   |
| Dynamic load capacity (bending)               | Max. bending cycles: 5000 (at a radius of ≥ 18x outside diameter)  |
| Halogen-free                                  | no   |
| Flame resistance                              | IEC 60332-1-2 (raw cable)<br>VDE 0842, Part 332-1-2 (raw cable)<br>IEC 60332-3-22 (raw cable)<br>UL VW-1 |

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|                   |   |
|-------------------|---|
|                   | CSA FT-1                                      |
| Resistance to oil | can withstand occasional splashes (raw cable) |
| Cable type        | Cable for one module                          |

## Connection data

### Flat-ribbon cable connector

|                             |   |
|-----------------------------|---|
| Connection method           | IDC/FLK socket strip                                  |
| Number of connections       | 1   |
| Number of positions         | 20  |
| Exit angle                  | 90 °  |
| Insertion/withdrawal cycles | > 200   |
| Pitch                       | 2.54 mm   |
| Connection method           | Single wires  |
| Number of positions         | 20  |
| Note                        | The wires are marked and fitted with slip-on sleeves. |

## Standards and regulations

### Air clearances and creepage distances

|                       |              |
|-----------------------|--------------|
| Standards/regulations | DIN EN 50178 |
|-----------------------|--------------|

## 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. |
|--------------------|--|

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## Environmental product compliance

### China RoHS

|  |  |
|--|--|
| Environment friendly use period (EFUP) | EFUP-50<br>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.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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