

# CABLE-IC50-4VIP14/0,5 - Cable



2905065

<https://www.phoenixcontact.com/us/products/2905065>

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A round system cable used for connecting the VARIOFACE system wiring module. One connector is a 50 wire female connector, the other one consists of four 14 wire female connectors. The 14 wire connectors use an injection molded plastic protection, which at most can convert 32 channel signals to 4 x 8 channel signals.



## Commercial data

|                                      |   |
|--------------------------------------|---|
| Item number                          | 2905065   |
| Packing unit                         | 1 pc  |
| Minimum order quantity               | 1 pc  |
| Product key                          | DK2CZZ  |
| GTIN                                 | 4055626176192   |
| Weight per piece (including packing) | 25 g  |
| Weight per piece (excluding packing) | 25 g  |
| Country of origin                    | Information on the country of origin is provided with the delivery. |

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## Technical data

### Product properties

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

### Environmental and real-life conditions

#### Ambient conditions

|   |                  |
|---|------------------|
| Ambient temperature (storage/transport) | -20 °C ... 50 °C |
|---|------------------|

### Electrical properties

|                        |           |
|------------------------|-----------|
| Operating voltage (AC) | ≤ 50 V AC |
| Operating voltage (DC) | ≤ 60 V DC |
| Current (Per path)     | ≤ 1 A     |

### Cable/line

|              |       |
|--------------|-------|
| Cable length | 0.5 m |
|--------------|-------|

#### 14X0.14 [PVC]

|   |  |
|---|--|
| UL AWM Style                                  | 2464/1061  |
| Number of positions                           | 14   |
| Shielded                                      | no   |
| Cable type                                    | 14X0.14 [PVC]  |
| Conductor type                                | Round cable set  |
| Conductor structure signal line               | 7x 0.16 mm   |
| AWG signal line                               | 26   |
| Conductor cross-section                       | 14x 0.14 mm <sup>2</sup>   |
| Wire diameter incl. insulation                | 1 mm ±0.03 mm  |
| External cable diameter                       | 6.40 mm ±0.4 mm  |
| Outer sheath, material                        | Semi-rigid PVC   |
| External sheath, color                        | gray   |
| Conductor material                            | Tin-plated Cu litz wires   |
| Cable resistance                              | ≤ 145 Ω/km (20 °C)   |
| Insulation resistance                         | ≥ 20 MΩ*km (20 °C)   |
| Smallest bending radius, fixed installation   | 55 mm  |
| Smallest bending radius, movable installation | 104 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)<br>VDE 0842, Part 332-1-2 (raw cable)<br>IEC 60332-3-22 (raw cable)<br>UL VW-1<br>CSA FT-1 |
| Resistance to oil                             | can withstand occasional splashes (raw cable)  |

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## Connection data

### Field level

|                       |    |
|-----------------------|----|
| Number of connections | 4  |
| Number of positions   | 14 |

### Controller level

|                       |    |
|-----------------------|----|
| Number of connections | 1  |
| Number of positions   | 50 |

## 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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## Classifications

### ECLASS

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

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## Environmental product compliance

### EU RoHS

|   |   |
|---|---|
| Fulfills EU RoHS substance requirements | Not applicable, Not qualified for the European market |
|---|---|

### China RoHS

|  |  |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|  | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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