

# 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
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### Environmental and real-life conditions

#### Ambient conditions

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

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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
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### 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)