

# VIP-CAB-FLK50/FR/OE/0,14/0,5M - Round cable



2900146

<https://www.phoenixcontact.com/us/products/2900146>

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Round cable set; connection 1: Single wires (50-position) (The wires are marked and fitted with ferrules); connection 2: IDC/FLK socket strip (1x 50-position, 90 °-out put); cable length: 0.5 m

## Your advantages

- 20 and 50-pos.
- Connector in accordance with IEC 60603-13
- 1:1 connection
- Open end at one end

## Commercial data

Item number	2900146
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C423
Product key	DK2223
GTIN	4046356477000
Weight per piece (including packing)	120.7 g
Weight per piece (excluding packing)	120.7 g
Customs tariff number	85444290
Country of origin	DE

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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 (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °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
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#### 50X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	50
Shielded	no
Cable type	50X0.14 [PVC]
Conductor type	Round cable set
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross-section	50x 0.14 mm <sup>2</sup>
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	10.30 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	86 mm
Smallest bending radius, movable installation	161 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

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Resistance to oil	can withstand occasional splashes (raw cable)
Cable type	Cable for one module

## Connection data

### Field level

Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	50
Exit angle	90 °
Pitch	2.54 mm

### Controller level

Connection method	Single wires
Number of positions	50
Note	The wires are marked and fitted with ferrules

## 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
	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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