

# VIP-CAB-FLK14/16/2,5M/S7 - Cable



2904518

<https://www.phoenixcontact.com/us/products/2904518>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Round cable set; controller: SIMATIC® TOP connect; connection 1: IDC/FLK socket strip (1x 16-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 2.5 m

## Commercial data

Item number	2904518
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C02
Product key	DK222S
GTIN	4046356859387
Weight per piece (including packing)	162.6 g
Weight per piece (excluding packing)	162.6 g
Customs tariff number	85444290
Country of origin	DE

# VIP-CAB-FLK14/16/2,5M/S7 - Cable



2904518

<https://www.phoenixcontact.com/us/products/2904518>

## Technical data

### Product properties

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

#### Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP00
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation) (fixed installation)	-40 °C ... 70 °C (fixed installation)
Ambient temperature (operation) (flexible installation)	-10 °C ... 70 °C (flexible installation)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	≤ 2000 m

### Electrical properties

Operating voltage (AC)	≤ 25 V AC
Operating voltage (DC)	≤ 60 V DC
Nominal operating mode	100% operating factor
Current (Per path, 50°C)	≤ 1 A
Current (Per path)	≤ 0.6 A

#### Air clearances and creepage distances

Rated insulation voltage	63 V
Rated surge voltage	0.6 kV

### Cable/line

Cable length	2.5 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

# VIP-CAB-FLK14/16/2,5M/S7 - Cable



2904518

<https://www.phoenixcontact.com/us/products/2904518>

Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Tin-plated Cu litz wires
Cable resistance	$\leq 145 \Omega/\text{km}$ (20 °C)
Insulation resistance	$\geq 20 \text{ M}\Omega \cdot \text{km}$ (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 $\geq 15x$ 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)
Cable type	Cable for one module

## Connection data

### Field level

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

### Controller level

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	16
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

## 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.
--------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

# VIP-CAB-FLK14/16/2,5M/S7 - Cable

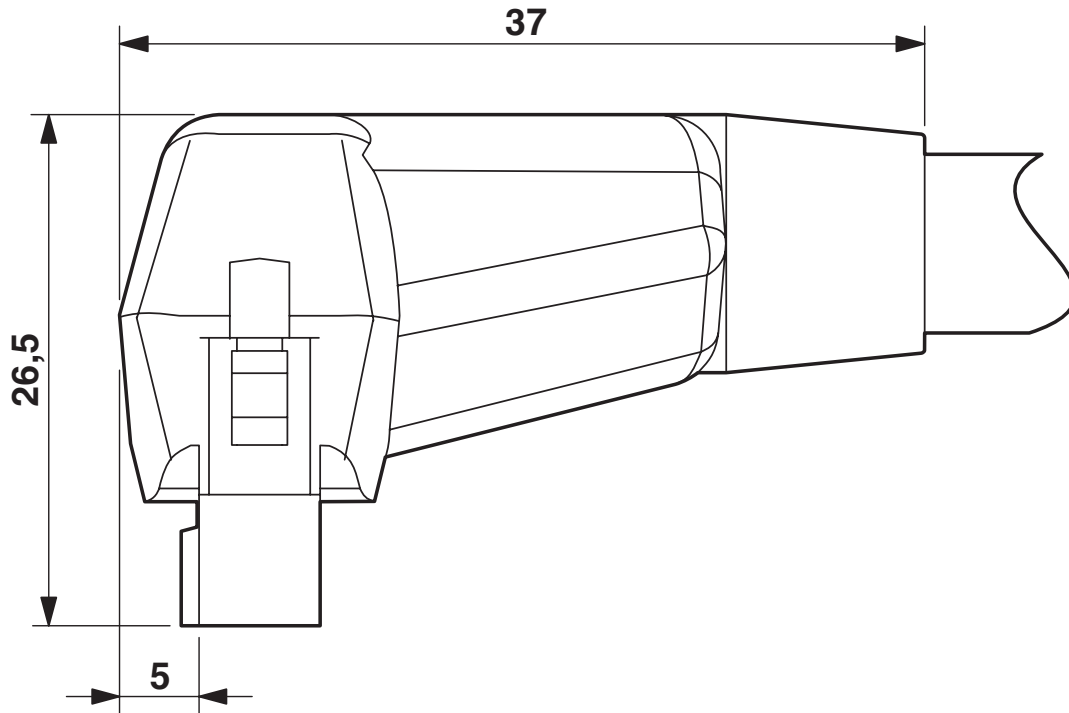
2904518

<https://www.phoenixcontact.com/us/products/2904518>



## Drawings

Dimensional drawing



# VIP-CAB-FLK14/16/2,5M/S7 - Cable



2904518

<https://www.phoenixcontact.com/us/products/2904518>

## Connection diagram

14-pos. Socket strip PIN	16-pos. Socket strip PIN	Wire color
1	16	Black
2	14	Brown
3	12	Red
4	10	Orange
5	8	Yellow
6	6	Green
7	4	Blue
8	2	Violet
9	9	Gray
10	1	White
11	11	White-black
12	3	White-brown
13	13	White-red
14	5	White-orange
	7	-
	15	-

Pin assignment and color code

Diagram



Maximum permissible current per path in uncoiled state

2904518

<https://www.phoenixcontact.com/us/products/2904518>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
-----------------------------------------	--------------------

### 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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

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