

# CABLE-FLK16/OE/S/17,0M/SC064 - Cable



2906459

<https://www.phoenixcontact.com/us/products/2906459>

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.



Assembled, shielded round cable with a 16-pos. socket strip and an open end. At the open end, the wires are labeled 1 to 16 and are fitted with ferrules, shield connection at open end, cable length: 17 m

## Your advantages

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

## Commercial data

Item number	2906459
Packing unit	1 pc
Minimum order quantity	24 pc
Product key	DK2AG4
GTIN	4055626079042
Weight per piece (including packing)	1,337.5 g
Weight per piece (excluding packing)	1,337.5 g
Country of origin	DE

# CABLE-FLK16/OE/S/17,0M/SC064 - Cable



2906459

<https://www.phoenixcontact.com/us/products/2906459>

## Technical data

### Product properties

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

### 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	17 m
--------------	------

#### 16X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	16
Shielded	no
Cable type	16X0.14 [PVC]
Conductor type	Round cable set
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	16x 0.14 mm <sup>2</sup>
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	6.80 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	58 mm
Smallest bending radius, movable installation	108 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

# CABLE-FLK16/OE/S/17,0M/SC064 - Cable



2906459

<https://www.phoenixcontact.com/us/products/2906459>

Resistance to oil	can withstand occasional splashes (raw cable)
-------------------	---

## Connection data

### Field level

Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	16
Pitch	2.54 mm

### Controller level

Connection method	Single wires
Number of positions	16

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

# CABLE-FLK16/OE/S/17,0M/SC064 - Cable



2906459

<https://www.phoenixcontact.com/us/products/2906459>

## 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%

Phoenix Contact 2025 © - 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)