

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



2906459

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

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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            |

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## 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)<br>VDE 0842, Part 332-1-2 (raw cable)<br>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)

## 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. |
|--------------------|--|

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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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