

CABLE-FLK40/2FLK40/S/1000/RS - Cable

2903425

<https://www.phoenixcontact.com/us/products/2903425>



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Assembled, shielded round cable with one 40-pos. molded socket strip (180°) and two 40-pos. socket strips that are not molded (1:1 connection). Cable length: 10 m

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2903425 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | DK2AGN |
| GTIN | 4046356737715 |
| Weight per piece (including packing) | 1,585.7 g |
| Weight per piece (excluding packing) | 333.33 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 (DC) | ≤ 24 V DC |
| Current (Per path) | ≤ 0.5 A |

Cable/line

| | |
|--------------|------|
| Cable length | 10 m |
|--------------|------|

40X0.14 [PVC]

| | |
|---|--|
| UL AWM Style | 2464/1061 |
| Number of positions | 40 |
| Shielded | yes |
| Cable type | 40X0.14 [PVC] |
| Conductor type | Assembled shielded round cable |
| Conductor structure signal line | 7x 0.16 mm |
| AWG signal line | 26 |
| Conductor cross section | 40x 0.14 mm ² |
| Wire diameter incl. insulation | 1 mm ±0.03 mm |
| External cable diameter | 9.80 mm ±0.3 mm |
| Outer sheath, material | Semi-rigid PVC |
| External sheath, color | gray |
| Conductor material | Tin-plated Cu litz wires |
| Cable resistance | ≤ 145 Ω/km (at 20 °C) |
| Insulation resistance | ≥ 20 MΩ*km (20 °C) |
| Smallest bending radius, fixed installation | 101 mm |
| Smallest bending radius, movable installation | 182 mm |
| Dynamic load capacity (bending) | Max. bending cycles: 5000 (at a radius of ≥ 18x 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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| | |
|------------|---------------------------------|
| Cable type | Splitting cable for two modules |
|------------|---------------------------------|

Connection data

Field level

| | |
|-----------------------|----------------------|
| Connection method | IDC/FLK socket strip |
| Number of connections | 2 |
| Number of positions | 40 |
| Pitch | 2.54 mm |

Controller level

| | |
|-----------------------|----------------------|
| Connection method | IDC/FLK socket strip |
| Number of connections | 1 |
| Number of positions | 40 |
| Pitch | 2.54 mm |

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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