

# Cable - FLK 14/EZ-DR/ 100/KONFEK - 2288914


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Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 1 m



## Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 017918 057305 |
| GTIN         | 4017918057305                                                                                           |

## Technical data

### Dimensions

|        |     |
|--------|-----|
| Length | 1 m |
|--------|-----|

### Ambient conditions

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

### General

|                                         |                       |
|-----------------------------------------|-----------------------|
| Max. permissible operating voltage      | 25 V AC               |
|                                         | 60 V DC               |
| Max. current carrying capacity per path | 1 A (50 °C)           |
|                                         | 0.6 A (70 °C)         |
| Nominal operating mode                  | 100% operating factor |

### Cable

|               |                 |
|---------------|-----------------|
| Type of cable | Round cable set |
|---------------|-----------------|

# Cable - FLK 14/EZ-DR/ 100/KONFEK - 2288914

## Technical data

### Cable

|                                               |                                               |
|-----------------------------------------------|-----------------------------------------------|
| Single wires, quantity                        | 7                                             |
| Single wire, material                         | Cu tin-plated                                 |
| Single wire, cross section                    | 0.14 mm <sup>2</sup>                          |
| Single wire, cross section [AWG]              | 26                                            |
| Wire diameter incl. insulation                | 1 mm ±0.03 mm                                 |
| External cable diameter                       | 6.4 mm ±0.4 mm                                |
| Shielded                                      | no                                            |
| Halogen-free                                  | no                                            |
| Smallest bending radius, fixed installation   | 55 mm                                         |
| Smallest bending radius, movable installation | 104 mm                                        |
| Bending cycles group                          | 5000 at a radius of ≥ 15x outside diameter    |
| Insulation resistance                         | ≥ 20 MΩ*km (20 °C)                            |
| Outer sheath, material                        | Semi-rigid PVC                                |
| External sheath, color                        | gray                                          |
| 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) |
| Gasoline resistance                           | can withstand occasional splashes (raw cable) |

### Connection data

|                                  |                      |
|----------------------------------|----------------------|
| Connection name                  | 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              |

### Connection data 2

|                                  |                      |
|----------------------------------|----------------------|
| Connection name                  | Controller 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              |

### Standards and Regulations

|                  |                           |
|------------------|---------------------------|
| Flame resistance | IEC 60332-1-2 (raw cable) |
|------------------|---------------------------|

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## Technical data

### Standards and Regulations

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
|                                  | 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) |
| Gasoline resistance              | can withstand occasional splashes (raw cable) |
| Connection in acc. with standard | CUL                                           |
| Designation                      | Air clearances and creepage distances         |
| Standards/regulations            | DIN EN 50178                                  |
| Rated insulation voltage         | 63 V                                          |
| Rated surge voltage              | 0.6 kV                                        |
| Insulation                       | Functional insulation                         |
| Pollution degree                 | 2                                             |
| Overvoltage category             | II                                            |

### Supported controller

|                     |                           |
|---------------------|---------------------------|
| Controller          | SIEMENS S7-1500           |
| - suitable I/O card | 6ES7521-1BH00-0AB0        |
|                     | 6ES7521-1BH10-0AA0        |
|                     | 6ES7521-1BH50-0AA0        |
|                     | 6ES7521-1BL00-0AB0        |
|                     | 6ES7522-1BH00-0AB0        |
|                     | 6ES7522-1BH01-0AB0        |
|                     | 6ES7522-1BH10-0AA0        |
|                     | 6ES7522-1BL00-0AB0        |
|                     | 6ES7522-1BL01-0AB0        |
|                     | 6ES7531-7KF00-0AB0        |
|                     | 6ES7531-7NF00-0AB0        |
|                     | 6ES7531-7NF10-0AB0        |
|                     | 6ES7531-7PF00-0AB0        |
|                     | 6ES7532-5HF00-0AB0        |
|                     | 6ES7532-5HD00-0AB0        |
|                     | 6ES7532-5ND00-0AB0        |
| Controller          | SIEMENS S7-300 / ET 200 M |
| - suitable I/O card | CPU 312C                  |
|                     | CPU 313C                  |
|                     | CPU 313C-2DP              |
|                     | CPU 313C-2PtP             |
|                     | CPU 314C-2DP              |
|                     | CPU 314C-2PtP             |
|                     | 6ES7321-1BH02-0AA0        |

## Cable - FLK 14/EZ-DR/ 100/KONFEK - 2288914

### Technical data

#### Supported controller

|                     |                            |
|---------------------|----------------------------|
|                     | 6ES7321-1BH10-0AA0         |
|                     | 6ES7321-1BH50-0AA0         |
|                     | 6ES7321-1BL00-0AA0         |
|                     | 6ES7321-7BH01-0AB0         |
|                     | 6ES7322-1BH01-0AA0         |
|                     | 6ES7322-1BH10-0AA0         |
|                     | 6ES7322-1BL00-0AA0         |
|                     | 6ES7322-8BF00-0AB0         |
|                     | 6ES7322-8BH01-0AB0         |
|                     | 6ES7323-1BH01-0AA0         |
|                     | 6ES7323-1BL00-0AA0         |
|                     | 6ES7331-7HF01-0AB0         |
|                     | 6ES7331-7KB02-0AB0         |
|                     | 6ES7331-7KF02-0AB0         |
|                     | 6ES7331-7NF00-0AB0         |
|                     | 6ES7331-7PF01-0AB0         |
|                     | 6ES7331-7PF11-0AB0         |
|                     | 6ES7332-5HD01-0AB0         |
|                     | 6ES7332-5HB01-0AB0         |
|                     | 6ES7332-7ND02-0AB0         |
|                     | 6ES7332-8TF01-0AB0         |
|                     | 6ES7334-0CE01-0AA0         |
|                     | 6ES7334-0KE00-0AB0         |
|                     | 6ES7335-7HG01-0AB0         |
|                     | 6ES7336-4GE00-0AB0         |
|                     | 6ES7338-4BC01-0AB0         |
|                     | 6ES7350-1AH03-0AE0         |
|                     | 6ES7350-2AH01-0AE0         |
|                     | 6ES7351-1AH01-0AE0         |
|                     | 6ES7352-1AH02-0AE0         |
|                     | 6ES7353-1AH01-0AE0         |
|                     | 6ES7354-1AH01-0AE0         |
|                     | 6ES7355-0VH10-0AE0         |
|                     | 6ES7355-1VH10-0AE0         |
|                     | 6ES7357-4AH01-0AE0         |
| Controller          | ALLEN-BRADLEY ControlLogix |
| - suitable I/O card | 1756-IN16                  |
|                     | 1756-IA8D                  |
|                     | 1756-IA16                  |
|                     | 1756-IB16                  |

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## Technical data

### Supported controller

|                     |                                        |
|---------------------|----------------------------------------|
|                     | 1756-IC16                              |
|                     | 1756-OB16E                             |
|                     | 1756-IR6I                              |
|                     | 1756-IT6I                              |
|                     | 1756-OF4                               |
|                     | 1756-OF6CI                             |
|                     | 1756-OF8                               |
|                     | 1756-PLS                               |
| Controller          | HONEYWELL Experion PKS C200            |
| - suitable I/O card | TC-IDX 081                             |
|                     | TC-IDA 161                             |
|                     | TC-IAH 061                             |
|                     | TC-IXR 061                             |
|                     | TC-IXL 061                             |
|                     | TC-OAH 061                             |
|                     | TC-OAV 061                             |
|                     | TC-OAV 081                             |
| Controller          | SCHNEIDER ELECTRIC Modicon TSX QUANTUM |
| - suitable I/O card | DDI 353                                |
|                     | DDI 853                                |
|                     | DAI 453                                |
|                     | DDO 353                                |

### Color code

|                                                   |                                                |
|---------------------------------------------------|------------------------------------------------|
| Connector 1 = connector 2 (optional) = wire color | IDC/FLK14 (1) = IDC/FLK14 (1) = black          |
|                                                   | IDC/FLK14 (2) = IDC/FLK14 (2) = brown          |
|                                                   | IDC/FLK14 (3) = IDC/FLK14 (3) = red            |
|                                                   | IDC/FLK14 (4) = IDC/FLK14 (4) = orange         |
|                                                   | IDC/FLK14 (5) = IDC/FLK14 (5) = yellow         |
|                                                   | IDC/FLK14 (6) = IDC/FLK14 (6) = green          |
|                                                   | IDC/FLK14 (7) = IDC/FLK14 (7) = blue           |
|                                                   | IDC/FLK14 (8) = IDC/FLK14 (8) = violet         |
|                                                   | IDC/FLK14 (9) = IDC/FLK14 (9) = gray           |
|                                                   | IDC/FLK14 (10) = IDC/FLK14 (10) = white        |
|                                                   | IDC/FLK14 (11) = IDC/FLK14 (11) = white-black  |
|                                                   | IDC/FLK14 (12) = IDC/FLK14 (12) = white-brown  |
|                                                   | IDC/FLK14 (13) = IDC/FLK14 (13) = white-red    |
|                                                   | IDC/FLK14 (14) = IDC/FLK14 (14) = white-orange |

### Environmental Product Compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|------------|---------------------------------------------------------|

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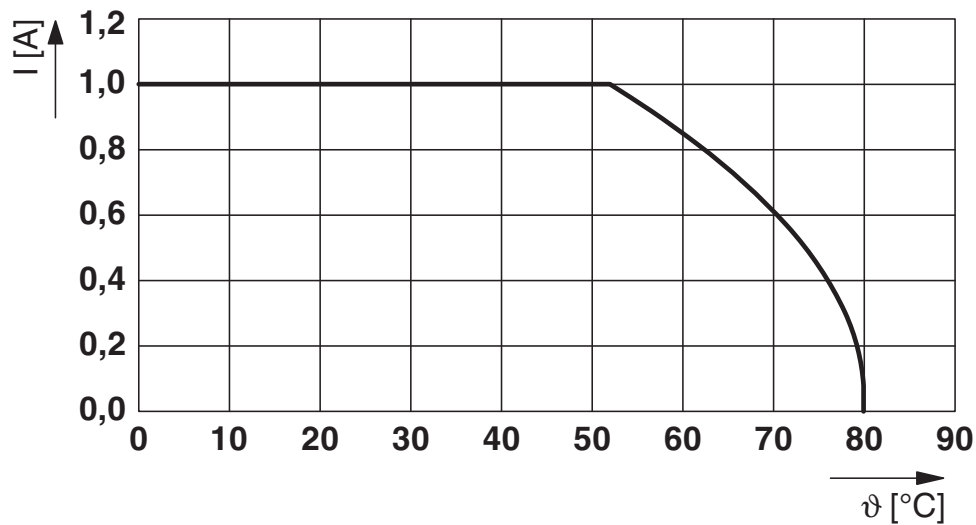
## Technical data

### Environmental Product Compliance

|  |                                                |
|--|------------------------------------------------|
|  | No hazardous substances above threshold values |
|--|------------------------------------------------|

## Drawings

Diagram



Maximum permissible current per path in uncoiled state

## Classifications

### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27242220 |
| eCl@ss 11.0   | 27242220 |
| eCl@ss 4.0    | 27060300 |
| eCl@ss 4.1    | 27060300 |
| eCl@ss 5.0    | 27242200 |
| eCl@ss 5.1    | 27242200 |
| eCl@ss 6.0    | 27249200 |
| eCl@ss 7.0    | 27249205 |
| eCl@ss 9.0    | 27242220 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000237 |
| ETIM 3.0 | EC000237 |
| ETIM 4.0 | EC000237 |
| ETIM 6.0 | EC000237 |
| ETIM 7.0 | EC000237 |

# Cable - FLK 14/EZ-DR/ 100/KONFEK - 2288914

## Classifications

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 26121620 |
| UNSPSC 7.0901 | 26121620 |
| UNSPSC 11     | 26121620 |
| UNSPSC 12.01  | 26121620 |
| UNSPSC 13.2   | 26121620 |
| UNSPSC 18.0   | 26121620 |
| UNSPSC 19.0   | 26121620 |
| UNSPSC 20.0   | 26121620 |
| UNSPSC 21.0   | 26121620 |

## Approvals

### Approvals

#### Approvals

UL Listed / cUL Listed / EAC / cULus Listed

#### Ex Approvals

### Approval details

|                    |  |                                                                                                                                                       |               |
|--------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| UL Listed          |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 238705 |
| Nominal voltage UN |  | 125 V                                                                                                                                                 |               |
| Nominal current IN |  | 1 A                                                                                                                                                   |               |

|                    |  |                                                                                                                                                       |               |
|--------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| cUL Listed         |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 238705 |
| Nominal voltage UN |  | 125 V                                                                                                                                                 |               |
| Nominal current IN |  | 1 A                                                                                                                                                   |               |

|     |  |                         |
|-----|--|-------------------------|
| EAC |  | RU*-<br>DE.HB*35.B00385 |
|-----|--|-------------------------|

## Cable - FLK 14/EZ-DR/ 100/KONFEK - 2288914

### Approvals

cULus Listed



### Accessories

#### Accessories

#### Marker carrier cable

Cable marker carrier - KME - 0807083



Cable marker carrier, white, unlabeled, mounting type: Assembly with cable binders, cable diameter: > 5 mm, lettering field size: 20 mm x 8 mm

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