

## Cable - FLK 40/EZ-DR/ 200/SLC - 2294649

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Round cable set; controller: Allen-Bradley SLC 500 (OB 32, IB 32); connection 1: IDC/FLK socket strip (1x 40-position); connection 2: IDC/FLK socket strip (1x 40-position); cable length: 2 m

### Your advantages

- ✓ Passive interface modules (VIP-3/SC/FLK40, etc.) are connected to the I/O cards using the system cable

RoHS

### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| GTIN                                 | <br>4 017918 149017 |
| GTIN                                 | 4017918149017                                                                                           |
| Weight per Piece (excluding packing) | 295.500 g                                                                                               |
| Custom tariff number                 | 85444290                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### 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 |
|------------------------------------|---------|

## Cable - FLK 40/EZ-DR/ 200/SLC - 2294649

### Technical data

#### General

|                                               |                                                     |
|-----------------------------------------------|-----------------------------------------------------|
|                                               | 60 V DC                                             |
| Max. current carrying capacity per path       | 1 A (50 °C)                                         |
|                                               | 0.6 A (70°C)                                        |
| Length of cable                               | 2 m                                                 |
| External cable diameter                       | 9.9 mm ±0.4 mm                                      |
| Single wire, cross section                    | 0.14 mm²                                            |
| Single wire, cross section [AWG]              | 26                                                  |
| Single wire, number of litz wires             | 7                                                   |
| Single wire, material                         | Cu tin-plated                                       |
| Wire diameter incl. insulation                | 1 mm ±0.03 mm                                       |
| Smallest bending radius, fixed installation   | 82 mm                                               |
| Smallest bending radius, movable installation | 155 mm                                              |
| Bending cycles                                | 5000 (at a radius of ≥ 15x outside diameter)        |
| Cable, preassembly                            | Insulation displacement, IEC 60352-4/DIN EN 60352-4 |
| Shielding                                     | no                                                  |
| Cable insulation resistance                   | ≥ 20 MΩ/km (20 °C)                                  |
| Cable resistance                              | ≤ 145 Ω/km (20 °C)                                  |
| Outer sheath, material                        | Semi-rigid PVC                                      |
| External sheath, color                        | gray                                                |
| Degree of protection                          | IP00                                                |
|                                               | ≥ IP54 (Installation location)                      |
| Nominal operating mode                        | 100% operating factor                               |

#### 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              | 40                   |
| 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              | 40                   |

## Cable - FLK 40/EZ-DR/ 200/SLC - 2294649

### Technical data

#### Connection data 2

|                                 |         |
|---------------------------------|---------|
| Insertion/withdrawal cycles     | > 50    |
| Channels which can be connected | 32      |
| Pitch                           | 2.54 mm |

#### Standards and Regulations

|                          |                                       |
|--------------------------|---------------------------------------|
| Flame resistance         | UL VW-1                               |
|                          | CSA FT-1                              |
|                          | IEC 60332-1-2                         |
|                          | VDE 0842, Part 332-1-2                |
|                          | IEC 60332-3-22                        |
| Resistance to oil        | against occasional splashes           |
| Gasoline resistance      | against occasional splashes           |
| 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                 |
| Degree of pollution      | 2                                     |
| Overvoltage category     | II                                    |

#### Supported controller

|                     |                       |
|---------------------|-----------------------|
| Controller          | ALLEN-BRADLEY SLC 500 |
| - suitable I/O card | 1746 OB 32            |
|                     | 1746 OV 32            |
|                     | 1746 IB 32            |
|                     | 1746 IV 32            |

#### Color code

|                                                   |                                               |
|---------------------------------------------------|-----------------------------------------------|
| Connector 1 = connector 2 (optional) = wire color | IDC/FLK40 (1) = IDC/FLK40 (1) = black         |
|                                                   | IDC/FLK40 (2) = IDC/FLK40 (2) = brown         |
|                                                   | IDC/FLK40 (3) = IDC/FLK40 (3) = red           |
|                                                   | IDC/FLK40 (4) = IDC/FLK40 (4) = orange        |
|                                                   | IDC/FLK40 (5) = IDC/FLK40 (5) = yellow        |
|                                                   | IDC/FLK40 (6) = IDC/FLK40 (6) = green         |
|                                                   | IDC/FLK40 (7) = IDC/FLK40 (7) = blue          |
|                                                   | IDC/FLK40 (8) = IDC/FLK40 (8) = violet        |
|                                                   | IDC/FLK40 (9) = IDC/FLK40 (9) = gray          |
|                                                   | IDC/FLK40 (10) = IDC/FLK40 (10) = white       |
|                                                   | IDC/FLK40 (11) = IDC/FLK40 (11) = white-black |

## Cable - FLK 40/EZ-DR/ 200/SLC - 2294649

### Technical data

#### Color code

|  |                                                 |
|--|-------------------------------------------------|
|  | IDC/FLK40 (12) = IDC/FLK40 (12) = white-brown   |
|  | IDC/FLK40 (13) = IDC/FLK40 (13) = white-red     |
|  | IDC/FLK40 (14) = IDC/FLK40 (14) = white-orange  |
|  | IDC/FLK40 (15) = IDC/FLK40 (15) = white-yellow  |
|  | IDC/FLK40 (16) = IDC/FLK40 (16) = white-green   |
|  | IDC/FLK40 (17) = IDC/FLK40 (17) = white-blue    |
|  | IDC/FLK40 (18) = IDC/FLK40 (18) = white-violet  |
|  | IDC/FLK40 (19) = IDC/FLK40 (19) = white-gray    |
|  | IDC/FLK40 (20) = IDC/FLK40 (20) = brown-black   |
|  | IDC/FLK40 (21) = IDC/FLK40 (21) = brown-red     |
|  | IDC/FLK40 (22) = IDC/FLK40 (22) = brown-orange  |
|  | IDC/FLK40 (23) = IDC/FLK40 (23) = brown-yellow  |
|  | IDC/FLK40 (24) = IDC/FLK40 (24) = brown-green   |
|  | IDC/FLK40 (25) = IDC/FLK40 (25) = brown-blue    |
|  | IDC/FLK40 (26) = IDC/FLK40 (26) = brown-violet  |
|  | IDC/FLK40 (27) = IDC/FLK40 (27) = brown-gray    |
|  | IDC/FLK40 (28) = IDC/FLK40 (28) = brown-white   |
|  | IDC/FLK40 (29) = IDC/FLK40 (29) = green-black   |
|  | IDC/FLK40 (30) = IDC/FLK40 (30) = green-brown   |
|  | IDC/FLK40 (31) = IDC/FLK40 (31) = green-red     |
|  | IDC/FLK40 (32) = IDC/FLK40 (32) = green-orange  |
|  | IDC/FLK40 (33) = IDC/FLK40 (33) = green-blue    |
|  | IDC/FLK40 (34) = IDC/FLK40 (34) = green-violet  |
|  | IDC/FLK40 (35) = IDC/FLK40 (35) = green-gray    |
|  | IDC/FLK40 (36) = IDC/FLK40 (36) = green-white   |
|  | IDC/FLK40 (37) = IDC/FLK40 (37) = yellow-black  |
|  | IDC/FLK40 (38) = IDC/FLK40 (38) = yellow-brown  |
|  | IDC/FLK40 (39) = IDC/FLK40 (39) = yellow-red    |
|  | IDC/FLK40 (40) = IDC/FLK40 (40) = yellow-orange |

#### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Cable - FLK 40/EZ-DR/ 200/SLC - 2294649

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| 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 8.0 | 27249205 |
| eCl@ss 9.0 | 27242220 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000237 |
| ETIM 3.0 | EC000237 |
| ETIM 4.0 | EC000237 |
| ETIM 5.0 | EC000237 |
| ETIM 6.0 | EC000237 |
| ETIM 7.0 | EC000237 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 26121620 |
| UNSPSC 7.0901 | 26121620 |
| UNSPSC 11     | 26121620 |
| UNSPSC 12.01  | 26121620 |
| UNSPSC 13.2   | 26121620 |

### Approvals

#### Approvals

---

##### Approvals

UL Listed / cUL Listed / EAC / cULus Listed

---

##### Ex Approvals

---

#### Approval details

## Cable - FLK 40/EZ-DR/ 200/SLC - 2294649

### Approvals

|                    |                                                                                   |                                                                                                                                                       |               |
|--------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 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 C-<br>DE.A*30.B00767 |  |
|-----|------------------------------------------------------------------------------------|-------------------------|--|

|              |                                                                                     |  |  |
|--------------|-------------------------------------------------------------------------------------|--|--|
| 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