

Cable - FLK 16/24/DV-AI/EZ-DR/400 - 2305004


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Round cable set; controller: Emerson Delta V; connection 1: IDC/FLK socket strip (1x 24-position); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 4 m



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 pc |
| GTIN |  4 046356 038881 |
| GTIN | 4046356038881 |

Technical data

Dimensions

| | |
|--------|-----|
| Length | 4 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 |
|---------------|-----------------|

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Technical data

Cable

| | |
|---|---|
| Single wires, quantity | 7 |
| Single wire, material | Cu tin-plated |
| Single wire, cross section | 0.14 mm ² |
| Single wire, cross section [AWG] | 26 |
| Wire diameter incl. insulation | 1 mm ±0.03 mm |
| External cable diameter | 6.8 mm ±0.4 mm |
| Shielded | no |
| Halogen-free | no |
| Smallest bending radius, fixed installation | 58 mm |
| Smallest bending radius, movable installation | 108 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 | 16 |
| 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 | 24 |
| 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) |
| 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

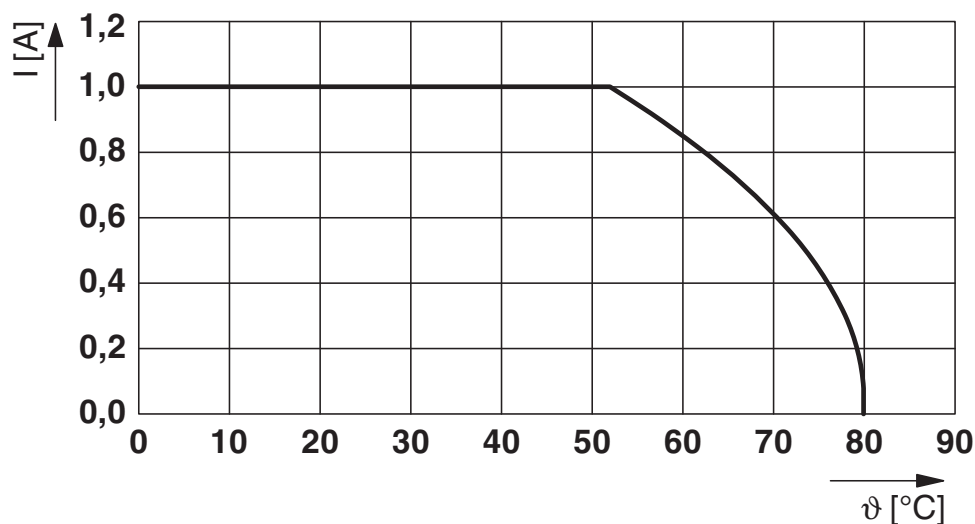
| | |
|---------------------|----------------|
| Controller | Emerson DeltaV |
| - suitable I/O card | VE4003S2B5 |

Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

Diagram



Maximum permissible current per path in uncoiled state

Cable - FLK 16/24/DV-AI/EZ-DR/400 - 2305004

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 |

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

Cable - FLK 16/24/DV-AI/EZ-DR/400 - 2305004

Approvals

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

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

| | | |
|-----|--|-------------------------|
| EAC | | RU*- DE.HB*35.B00385 |
|-----|--|-------------------------|

| | |
|--------------|--|
| cULus Listed | |
|--------------|--|

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>