

Cable - CABLE-2FLK24/2FLK24/DV/ 8,0M/S - 2906958


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Assembled shielded round cable; controller: Emerson Delta V S-Series; connection 1: IDC/FLK socket strip (2x 24-position); connection 2: IDC/FLK socket strip (2x 24-position); cable length: 8 m



RoHS

Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 pc |
| GTIN |  4 055626 145105 |
| GTIN | 4055626145105 |

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 |
| | 60 V DC |
| Max. current carrying capacity per path | 1 A (50 °C) |
| | 0.6 A (70 °C) |
| Length of cable | 8 m |
| External cable diameter | 11 mm ±0.4 mm |
| Single wire, cross section | 0.14 mm ² |
| Single wire, cross section [AWG] | 26 |
| Single wire, number of litz wires | 7 |
| Single wire, material | Cu tin-plated |

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Technical data

General

| | |
|---|---|
| Wire diameter incl. insulation | 1 mm ±0.03 mm |
| Smallest bending radius, fixed installation | 114 mm |
| Smallest bending radius, movable installation | 205 mm |
| Bending cycles | 5000 (at a radius of ≥ 15x outside diameter) |
| Cable, preassembly | Insulation displacement, IEC 60352-4/DIN EN 60352-4 |
| Shielding | yes |
| 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 | 2 |
| Number of positions | 24 |
| 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 | 2 |
| Number of positions | 24 |
| Conductor cross section AWG | 26 |
| Insertion/withdrawal cycles | > 50 |
| 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 |

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Technical data

Standards and Regulations

| | |
|--------------------------|-----------------------|
| 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 | Emerson DeltaV |
| - suitable I/O card | SE4053S2B11 |
| | SE4083S2B11 |

Environmental Product Compliance

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

Drawings

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Connection diagram

| FLK24 X1 A | FLK24 X3 B | FLK24 X2 C | FLK24 X4 D | Conductor color |
|---------------|---------------|---------------|---------------|-----------------|
| PIN 1 | PIN 1 | | | black |
| PIN 2 | PIN 2 | | | brown |
| PIN 3 | PIN 3 | | | red |
| PIN 4 | PIN 4 | | | orange |
| PIN 5 | PIN 5 | | | yellow |
| PIN 6 | PIN 6 | | | green |
| PIN 7 | PIN 7 | | | blue |
| PIN 8 | PIN 8 | | | violet |
| PIN 9 | PIN 9 | | | gray |
| PIN 10 | PIN 10 | | | white |
| PIN 11 | PIN 11 | | | white-black |
| PIN 12 | PIN 12 | | | white-brown |
| PIN 13 | PIN 13 | | | white-red |
| PIN 14 | PIN 14 | | | white-orange |
| PIN 15 | PIN 15 | | | white-yellow |
| PIN 16 | PIN 16 | | | white-green |
| PIN 17 | PIN 17 | | | white-blue |
| PIN 18 | PIN 18 | | | white-violet |
| PIN 19 | PIN 19 | | | white-gray |
| PIN 20 | PIN 20 | | | brown-black |
| PIN 21 | PIN 21 | | | brown-red |
| PIN 22 | PIN 22 | | | brown-orange |
| PIN 23 | PIN 23 | | | brown-yellow |
| PIN 24 | PIN 24 | | | brown-green |
| | | PIN 1 | PIN 1 | brown-blue |
| | | PIN 2 | PIN 2 | brown-violet |
| | | PIN 3 | PIN 3 | brown-gray |
| | | PIN 4 | PIN 4 | brown-white |
| | | PIN 5 | PIN 5 | green-black |
| | | PIN 6 | PIN 6 | green-brown |
| | | PIN 7 | PIN 7 | green-red |
| | | PIN 8 | PIN 8 | green-orange |
| | | PIN 9 | PIN 9 | green-blue |
| | | PIN 10 | PIN 10 | green-violet |
| | | PIN 11 | PIN 11 | green-gray |
| | | PIN 12 | PIN 12 | green-white |
| | | PIN 13 | PIN 13 | yellow-black |
| | | PIN 14 | PIN 14 | yellow-brown |
| | | PIN 15 | PIN 15 | yellow-red |
| | | PIN 16 | PIN 16 | yellow-orange |
| | | PIN 17 | PIN 17 | yellow-blue |
| | | PIN 18 | PIN 18 | yellow-violet |
| | | PIN 19 | PIN 19 | yellow-gray |
| | | PIN 20 | PIN 20 | yellow-white |
| | | PIN 21 | PIN 21 | gray-black |
| | | PIN 22 | PIN 22 | gray-brown |
| | | PIN 23 | PIN 23 | gray-red |
| | | PIN 24 | PIN 24 | gray-orange |

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Approvals


Approvals


Approvals


UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

| | | | |
|--------------------|---|---|---------------|
| 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 C- DE.A*30.B00767 |
|-----|---|--|-------------------------|

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