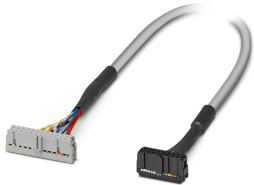


## Cable - FLK 16/24/DV-AI/EZ-DR/400 - 2305004


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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
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#### 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

Cable type	Round cable set
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## Cable - FLK 16/24/DV-AI/EZ-DR/400 - 2305004

### Technical data

#### Cable

Cable cross section	16x 0.14 mm <sup>2</sup>
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor material	Tin-plated Cu litz wires
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)
Cable resistance	≤ 145 Ω/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

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

## Technical data

### Standards and Regulations

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

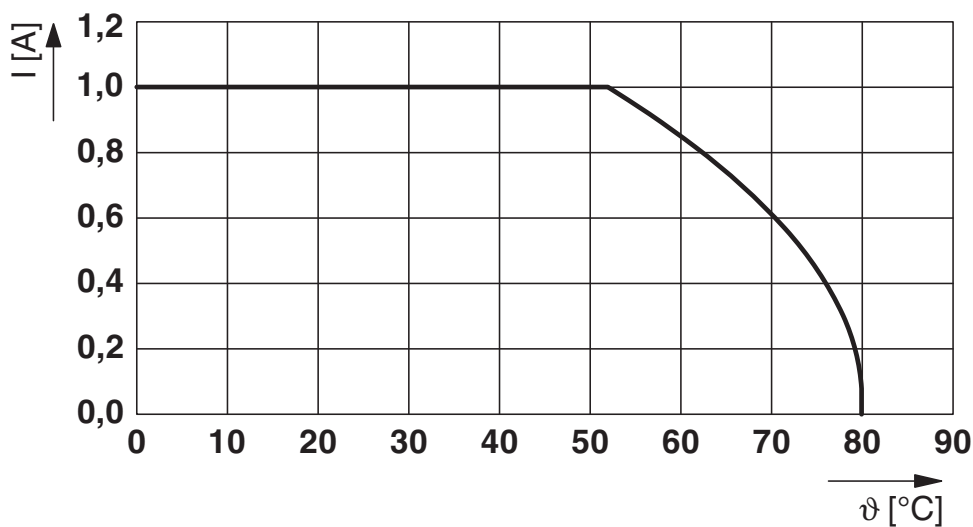
Controller	Emerson DeltaV
- suitable I/O card	VE4003S2B5

### 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

## Classifications

eCl@ss

eCl@ss 10.0.1	27242220
eCl@ss 11.0	27242220
eCl@ss 4.0	27060300
eCl@ss 4.1	27060300

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

## Classifications

### eCl@ss

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	26121600

## 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		


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

## Approvals

Nominal current IN	1 A
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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*- DE.HB*35.B00385
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cULus Listed	
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