

## Cable - FLK 16/14/DV-IN/400 - 2305185

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: Emerson Delta V; connection 1: IDC/FLK socket strip (1x 16-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 4 m

### Your advantages

- ✓ The DeltaV system can be used to install the process wiring via "mass termination blocks" (MTBs) using flat-ribbon cable plugs
- ✓ For digital modules with 16-pos. MTB for connection to PLC-INTERFACE

**RoHS**

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 038904
GTIN	4046356038904
Weight per Piece (excluding packing)	276.000 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

# Cable - FLK 16/14/DV-IN/400 - 2305185

## Technical data

### 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

Length of cable	4 m
Type of cable	Round cable set
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
Cable, preassembly	Insulation displacement, IEC 60352-4/DIN EN 60352-4
Shielding	no
Halogen-free cable	No
Cable type	Cable for one module
Smallest bending radius, fixed installation	55 mm
Smallest bending radius, movable installation	104 mm
Bending cycles	5000 (at a radius of ≥ 15x outside diameter)
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
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

## Cable - FLK 16/14/DV-IN/400 - 2305185

### Technical data

#### Connection data

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	16
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

#### Standards and Regulations

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)
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	VE4001S2T1B3
	VE4001S2T2B3

#### Color code

Connector 1 = connector 2 (optional) = wire color	IDC/FLK16 (1) = IDC/FLK14 (1) = black
	IDC/FLK16 (2) = IDC/FLK14 (9) = brown
	IDC/FLK16 (3) = IDC/FLK14 (2) = red
	IDC/FLK16 (4) = IDC/FLK14 (9) = orange

## Cable - FLK 16/14/DV-IN/400 - 2305185

### Technical data

#### Color code

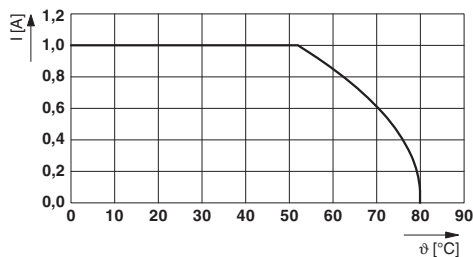
	IDC/FLK16 (5) = IDC/FLK14 (3) = yellow
	IDC/FLK16 (6) = IDC/FLK14 (9) = green
	IDC/FLK16 (7) = IDC/FLK14 (4) = blue
	IDC/FLK16 (8) = IDC/FLK14 (11) = violet
	IDC/FLK16 (9) = IDC/FLK14 (5) = gray
	IDC/FLK16 (10) = IDC/FLK14 (11) = white
	IDC/FLK16 (11) = IDC/FLK14 (6) = white-black
	IDC/FLK16 (12) = IDC/FLK14 (11) = white-brown
	IDC/FLK16 (13) = IDC/FLK14 (7) = white-red
	IDC/FLK16 (14) = IDC/FLK14 (13) = white-orange
	IDC/FLK16 (15) = IDC/FLK14 (8) = white-yellow
	IDC/FLK16 (16) = IDC/FLK14 (13) = white-green

#### 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
eCl@ss 5.0	27242200
eCl@ss 5.1	27242200

## Cable - FLK 16/14/DV-IN/400 - 2305185

### Classifications

#### eCl@ss

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 16/14/DV-IN/400 - 2305185

### 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*- DE.HB*35.B00385
-----	--	-------------------------

cULus Listed	
--------------	---