

# FLK 16-14-DV-OUT/... - Cable



2304377

<https://www.phoenixcontact.com/pc/products/2304377>

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 documentation. Our general terms of use for downloads are valid.



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: variable

## 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

## Commercial data

Item number	2304377
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	CK2152
Catalog page	Page 476 (C-5-2019)
GTIN	4017918933067
Customs tariff number	85444290
Country of origin	DE

# FLK 16-14-DV-OUT/... - Cable

2304377

<https://www.phoenixcontact.com/pc/products/2304377>



## Technical data

### Product properties

Product type	System cable
--------------	--------------

### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP00
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-40 °C ... 70 °C (fixed installation) -10 °C ... 70 °C (flexible installation)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	≤ 2000 m

### Electrical properties

Operating voltage (AC)	≤ 30 V AC
Operating voltage (DC)	≤ 60 V DC
Nominal operating mode	100% operating factor
Current (Per path, 50°C)	≤ 1 A (Uncoiled, see derating)
Current (Per path, 70°C)	≤ 0.6 A (Uncoiled, see derating)

#### Supported controller EMERSON DeltaV

Suitable I/O card	VE4001S2T2B3 Series 2
	VE4002S1T2B3
	VE4001S2T1B3
	VE4002S1T2B3 Series 2

### Cable/line

Cable length	variable
--------------	----------

#### 14X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	14
Shielded	no
Cable type	14X0.14 [PVC]
Conductor type	Round cable set
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	14x 0.14 mm²
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	6.4 mm ±0.4 mm
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Tin-plated Cu litz wires

# FLK 16-14-DV-OUT/... - Cable



2304377

<https://www.phoenixcontact.com/pc/products/2304377>

Cable resistance	≤ 145 Ω/km (20 °C)
Insulation resistance	≥ 20 MΩ*km (20 °C)
Smallest bending radius, fixed installation	55 mm
Smallest bending radius, movable installation	104 mm
Max. bending cycles	5000 (at a radius of ≥ 15x outside diameter)
Halogen-free	no
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)

## color code

IDC/FLK16 (1)	IDC/FLK14 (10) = black
IDC/FLK16 (2)	IDC/FLK14 (1) = brown
IDC/FLK16 (3)	IDC/FLK14 (12) = red
IDC/FLK16 (4)	IDC/FLK14 (2) = orange
IDC/FLK16 (5)	IDC/FLK14 (14) = yellow
IDC/FLK16 (6)	IDC/FLK14 (3) = green
IDC/FLK16 (8)	IDC/FLK14 (4) = blue
IDC/FLK16 (10)	IDC/FLK14 (5) = violet
IDC/FLK16 (12)	IDC/FLK14 (6) = gray
IDC/FLK16 (14)	IDC/FLK14 (7) = white
IDC/FLK16 (16)	IDC/FLK14 (8) = white-black

## Connection data

### Connection 1

Connection in acc. with standard	based on 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 2

Connection in acc. with standard	based on IEC 60603-13
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

## Notes

General	For proper use, the specifications of the installation directive (see
---------	---

# FLK 16-14-DV-OUT/... - Cable

2304377

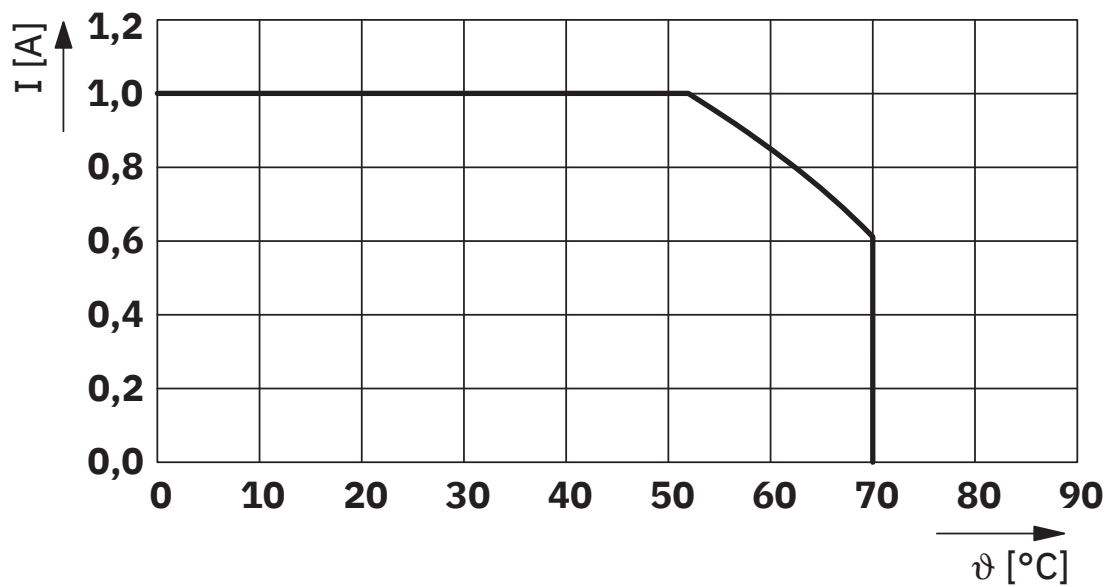
<https://www.phoenixcontact.com/pc/products/2304377>



Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.

## Drawings

Diagram



Maximum permissible current per path in uncoiled state

# FLK 16-14-DV-OUT/... - Cable

2304377

<https://www.phoenixcontact.com/pc/products/2304377>



## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/2304377>



### EAC

Approval ID: RU\*-DE.HB\*35.B00385



### UL Listed

Approval ID: FILE E 238705

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	125 V	1 A	-	-



### cUL Listed

Approval ID: FILE E 238705

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	125 V	1 A	-	-

### cULus Listed

# FLK 16-14-DV-OUT/... - Cable

2304377

<https://www.phoenixcontact.com/pc/products/2304377>



## Classifications

### ECLASS

ECLASS-11.0	27242220
ECLASS-12.0	27242220
ECLASS-13.0	27242220

### ETIM

ETIM 8.0	EC000237
----------	----------

### UNSPSC

UNSPSC 21.0	26121600
-------------	----------

# FLK 16-14-DV-OUT/... - Cable

2304377

<https://www.phoenixcontact.com/pc/products/2304377>



## Environmental product compliance

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



# FLK 16-14-DV-OUT/... - Cable

2304377

<https://www.phoenixcontact.com/pc/products/2304377>



## Accessories

### KME - Cable marker carrier

0807083

<https://www.phoenixcontact.com/pc/products/0807083>



Cable marker carrier, white, unlabeled, mounting type: Assembly with cable ties, cable diameter: > 5 mm, lettering field size: 20 x 8 mm

---

Phoenix Contact 2023 © - all rights reserved  
<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstraße 8  
D-32825 Blomberg  
+49 (0) 5235-3 00  
[info@phoenixcontact.com](mailto:info@phoenixcontact.com)