



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## Cable - FLK 50/EZ-DR/ 200/KONFEK - 2289094

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; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 2 m



### Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4017918057480

### Technical data

#### General

Nominal voltage $U_N$	< 50 V AC
	60 V DC
Max. current carrying capacity per path	1 A
Max. conductor resistance	0.16 $\Omega$ /m
Length of cable	2 m
Single wire, cross section	0.14 mm <sup>2</sup>
Single wire, cross section [AWG]	26
Conductor construction: Number of litz wires:	7
Single wire, material	Cu tin-plated
External diameter	10.3 mm
Cable, preassembly	Insulation displacement, IEC 60352-4/DIN EN 60352-4
Shielding	no
Outer sheath, material	PVC
External sheath, color	gray RAL 7035

#### Environmental conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

# Cable - FLK 50/EZ-DR/ 200/KONFEK - 2289094

## Technical data

### Environmental conditions

Flame resistance	IEC 60332-1
	DIN VDE 0482 Part 332-1
Resistance to oil	DIN VDE 0472 Part 803, test type B
Gasoline resistance	against occasional splashes

### Connector 1

Connection name	Field level
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	50
Pitch	2.54 mm

### Connector 2

Connection name	Controller level
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	50
Pitch	2.54 mm

### Supported controller

Controller	SIEMENS S7-300 / ET 200 M
- suitable I/O card	CPU 313C
	CPU 313C-2DP
	CPU 313C-2PtP
	CPU 314C-2DP
	CPU 314C-2PtP
	6ES7 321-1BL00-0AA0
	6ES7 322-1BL00-0AA0
	6ES7 322-8BH01-0AB0
	6ES7 323-1BL00-0AA0
	6ES7 331-1KF01-0AB0
	6ES7 331-7NF00-0AB0
	6ES7 331-7NF10-0AB0
	6ES7 331-7PF01-0AB0
	6ES7 331-7PF11-0AB0
	6ES7 332-5HF00-0AB0
	6ES7 350-2AH01-0AE0
	6ES7 357-4AH01-0AE0
Controller	SIEMENS S7-400
- suitable I/O card	6ES7 421-1BL01-0AA0
	6ES7 421-7BH01-0AB0
	6ES7 421-7DH00-0AA0

## Cable - FLK 50/EZ-DR/ 200/KONFEK - 2289094

### Technical data

#### Supported controller

	6ES7 422-1BL00-0AA0
	6ES7 422-7BL00-0AB0
	6ES7 431-0HH0-0AB0
	6ES7 431-1KF00-0AB0
	6ES7 431-1KF10-0AB0
	6ES7 431-1KF20-0AB0
	6ES7 431-7KF00-0AB0
	6ES7 431-7KF10-0AB0
	6ES7 431-7QH00-0AB0
	6ES7 432-1HF00-0AB0
Controller	Schneider Electric Modicon TSX QUANTUM
- suitable I/O card	DDI 353
	DDI 841
	DDI 853
	DAI 340
	DAI 353
	DAI 440
	DAI 453
	DDO 353
	DDM 390
	ACI 030
	ACI 040
	ATI 030
	ARI 030
	AVI 030
	ACO 020
	ACO 130
	AVO 020
	EHC 105
	EHC 202
Controller	ALLEN-BRADLEY ControlLogix
- suitable I/O card	1756-IA16I
	1756-IB16D
	1756-IB16I
	1756-IB32
	1756-IH16I
	1756-OB32
	1756-IF8
	1756-IF16
	1756-HSC

## Cable - FLK 50/EZ-DR/ 200/KONFEK - 2289094

### Technical data

#### Supported controller

	1756-M02AE
Controller	ALLEN-BRADLEY PLC 5
- suitable I/O card	1771 IBN
	1771 OBN
Controller	HONEYWELL Experion PKS C200
- suitable I/O card	TC-IDK 161
	TC-IDX 161
	TC-IDJ 161
	TC-IDD 321
	TC-ODD 321
	TC-IAH 161
Controller	ALLEN-BRADLEY SLC 500
- suitable I/O card	1746 OA16
	1746 OW16

#### Color code

Connector 1 = connector 2 (optional) = wire color	IDC/FLK50 (1) = IDC/FLK50 (1) = black
	IDC/FLK50 (2) = IDC/FLK50 (2) = brown
	IDC/FLK50 (3) = IDC/FLK50 (3) = red
	IDC/FLK50 (4) = IDC/FLK50 (4) = orange
	IDC/FLK50 (5) = IDC/FLK50 (5) = yellow
	IDC/FLK50 (6) = IDC/FLK50 (6) = green
	IDC/FLK50 (7) = IDC/FLK50 (7) = blue
	IDC/FLK50 (8) = IDC/FLK50 (8) = violet
	IDC/FLK50 (9) = IDC/FLK50 (9) = gray
	IDC/FLK50 (10) = IDC/FLK50 (10) = white
	IDC/FLK50 (11) = IDC/FLK50 (11) = white-black
	IDC/FLK50 (12) = IDC/FLK50 (12) = white-brown
	IDC/FLK50 (13) = IDC/FLK50 (13) = white-red
	IDC/FLK50 (14) = IDC/FLK50 (14) = white-orange
	IDC/FLK50 (15) = IDC/FLK50 (15) = white-yellow
	IDC/FLK50 (16) = IDC/FLK50 (16) = white-green
	IDC/FLK50 (17) = IDC/FLK50 (17) = white-blue
	IDC/FLK50 (18) = IDC/FLK50 (18) = white-violet
	IDC/FLK50 (19) = IDC/FLK50 (19) = white-gray
	IDC/FLK50 (20) = IDC/FLK50 (20) = brown-black
	IDC/FLK50 (21) = IDC/FLK50 (21) = brown-red
	IDC/FLK50 (22) = IDC/FLK50 (22) = brown-orange
	IDC/FLK50 (23) = IDC/FLK50 (23) = brown-yellow
	IDC/FLK50 (24) = IDC/FLK50 (24) = brown-green
	IDC/FLK50 (25) = IDC/FLK50 (25) = brown-blue

# Cable - FLK 50/EZ-DR/ 200/KONFEK - 2289094

## Technical data

### Color code

	IDC/FLK50 (26) = IDC/FLK50 (26) = brown-violet
	IDC/FLK50 (27) = IDC/FLK50 (27) = brown-gray
	IDC/FLK50 (28) = IDC/FLK50 (28) = brown-white
	IDC/FLK50 (29) = IDC/FLK50 (29) = green-black
	IDC/FLK50 (30) = IDC/FLK50 (30) = green-brown
	IDC/FLK50 (31) = IDC/FLK50 (31) = green-red
	IDC/FLK50 (32) = IDC/FLK50 (32) = green-orange
	IDC/FLK50 (33) = IDC/FLK50 (33) = green-blue
	IDC/FLK50 (34) = IDC/FLK50 (34) = green-violet
	IDC/FLK50 (35) = IDC/FLK50 (35) = green-gray
	IDC/FLK50 (36) = IDC/FLK50 (36) = green-white
	IDC/FLK50 (37) = IDC/FLK50 (37) = yellow-black
	IDC/FLK50 (38) = IDC/FLK50 (38) = yellow-brown
	IDC/FLK50 (39) = IDC/FLK50 (39) = yellow-red
	IDC/FLK50 (40) = IDC/FLK50 (40) = yellow-orange
	IDC/FLK50 (41) = IDC/FLK50 (41) = yellow-blue
	IDC/FLK50 (42) = IDC/FLK50 (42) = yellow-violet
	IDC/FLK50 (43) = IDC/FLK50 (43) = yellow-gray
	IDC/FLK50 (44) = IDC/FLK50 (44) = yellow-white
	IDC/FLK50 (45) = IDC/FLK50 (45) = gray-black
	IDC/FLK50 (46) = IDC/FLK50 (46) = gray-brown
	IDC/FLK50 (47) = IDC/FLK50 (47) = gray-red
	IDC/FLK50 (48) = IDC/FLK50 (48) = gray-orange
	IDC/FLK50 (49) = IDC/FLK50 (49) = gray-yellow
	IDC/FLK50 (50) = IDC/FLK50 (50) = gray-green

### Standards and Regulations

Flame resistance	IEC 60332-1
	DIN VDE 0482 Part 332-1
Resistance to oil	DIN VDE 0472 Part 803, test type B
Gasoline resistance	against occasional splashes
Connection in acc. with standard	CUL

### Environmental Product Compliance

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

## Approvals

### Approvals

# Cable - FLK 50/EZ-DR/ 200/KONFEK - 2289094

## Approvals

Approvals

EAC / UL Listed / cUL Listed / cULus Listed

Ex Approvals

### Approval details

EAC			RU C- DE.A*30.B00767
-----	--	--	-------------------------

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	

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

Phoenix Contact 2018 © - all rights reserved  
<http://www.phoenixcontact.com>

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