

Cable - FLKMIL-50/4FLK14/EZ-DR/3000/CS - 2900159


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Assembled shielded round cable; controller: Yokogawa CS3000 CentumVP (ADV561, ADV161); connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 30 m



RoHS

Key Commercial Data

Packing unit	1
GTIN	 4 046356 481878
GTIN	4046356481878
Custom tariff number	85444290

Technical data

Ambient conditions

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

General

Max. permissible operating voltage	30 V DC
Max. current carrying capacity per path	500 mA (up to 55°C ambient temperature)
Length of cable	30 m
External cable diameter	11 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
Shielding	yes
Cable insulation resistance	approx. 153 MΩ/km

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Technical data

General

Cable impedance	approx. 120 Ω
Cable resistance	approx. 155 Ω/km
Cable capacity	approx. 130 pF/m
Outer sheath, material	PVC
External sheath, color	gray RAL 7035

Connection data

Connection name	Field level
Connection method	IDC/FLK socket strip
Number of connections	4
Number of positions	14
Pitch	2.54 mm

Connection data 2

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

Standards and Regulations

Flame resistance	IEC 60332-3-22
Resistance to oil	DIN VDE 0472 Part 803, test type B
Gasoline resistance	against occasional splashes

Supported controller

Controller	YOKOGAWA CS3000 CentumVP
- suitable I/O card	ADV161
	ADV561
Controller	YOKOGAWA STARDOM
- suitable I/O card	NFDV161
	NFDV561

Environmental Product Compliance

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

Drawings

Cable - FLKMIL-50/4FLK14/EZ-DR/3000/CS - 2900159

Connection diagram

50-pos. connector to the I/O card	4 x 14-pos. connector to the module	Wire color
1	Byte 0	1 black
3		2 brown
5		3 red
7		4 orange
9		5 yellow
11		6 green
13		7 blue
15		8 Violet
41		9 gray
39		10 White
17	Byte 1	1 white-black
19		2 white-brown
21		3 white-red
23		4 white-orange
25		5 White-yellow
27		6 white-green
29		7 white-blue
31		8 white-violet
43		9 white-gray
37		10 brown-black
2	Byte 2	1 brown-red
4		2 brown-orange
6		3 brown-yellow
8		4 brown-green
10		5 brown-blue
12		6 brown-violet
14		7 brown-gray
16		8 brown-white
42		9 green-black
36		10 green-brown
18	Byte 3	1 green-red
20		2 green-orange
22		3 green-blue
24		4 green-violet
26		5 green-gray
28		6 green-white
30		7 yellow-black
32		8 yellow-brown
44		9 yellow-red
34		10 yellow-orange

Classifications

eCl@ss

eCl@ss 10.0.1	27242220
eCl@ss 4.0	27060300
eCl@ss 4.1	27060300
eCl@ss 5.0	27242200
eCl@ss 5.1	27242200
eCl@ss 6.0	27249200
eCl@ss 7.0	27249205

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Classifications

eCl@ss

eCl@ss 8.0	27249205
eCl@ss 9.0	27242220

ETIM

ETIM 2.0	EC000237
ETIM 3.0	EC000237
ETIM 4.0	EC000237
ETIM 5.0	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

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UL Listed / cUL Listed / EAC / cULus Listed


Ex Approvals


Approval details


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Approvals

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		0.5 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		0.5 A	

EAC			RU*- DE.HB*35.B00385
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cULus Listed			
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