

Cable - FLK-MIL50/EZ-DR/KS/3000/YCS - 2901018

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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 (1x 50-position); cable length: 30 m

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 560900
GTIN	4046356560900

Technical data

Note

Type of note	Notes on operation
Note	No additional touch protection is required when using a SELV/PELV voltage (≤ 25 V AC or 60 V DC).

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
	$\geq$ IP54 (Installation location)

General

Max. permissible operating voltage	30 V DC
Max. current carrying capacity per path	500 mA (uncoiled)
Length of cable	30 m
External cable diameter	9.8 mm $\pm$ 0.4 mm (40-pos.)
	11 mm $\pm$ 0.4 mm (50-pos.)
Single wire, cross section	0.14 mm ²

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Technical data

General

Single wire, cross section [AWG]	26
Single wire, number of litz wires	7
Single wire, material	Cu tin-plated
Wire diameter incl. insulation	1 mm $\pm$ 0.03 mm
Smallest bending radius, fixed installation	102 mm (40-pos.)
	114 mm (50-pos.)
Smallest bending radius, movable installation	184 mm (40-pos.)
	205 mm (50-pos.)
Bending cycles	> 5000
Shielding	yes
Cable insulation resistance	$\geq$ 20 M Ω /km (at 20 °C)
Cable impedance	approx. 120 Ω
Cable resistance	$\leq$ 145 Ω /km (at 20 °C)
Cable capacity	approx. 130 pF/m
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray RAL 7035
Nominal operating mode	100% operating factor

Connection data

Connection name	Field level
Connection method	IDC/FLK socket strip
Number of connections	1
Number of positions	50
Torque	0.5 Nm (Screw connection)
Insertion/withdrawal cycles	> 50
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
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Connection data 3

Connection name	Fixing to IO cards
Connection method	Screw connection
Torque	0.5 Nm

Standards and Regulations

Flame resistance	UL VW-1
	CSA FT-1

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Standards and Regulations

	IEC 60332-1-2
	VDE 0842, Part 332-1-2
	IEC 60332-3-22
Resistance to oil	against occasional splashes
Gasoline resistance	against occasional splashes
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	YOKOGAWA CS3000 CentumVP
- suitable I/O card	ADV161
	ADV561
Controller	YOKOGAWA STARDOM
- suitable I/O card	NFDV161
	NFDV561

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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
eCl@ss 8.0	27249205
eCl@ss 9.0	27242220

ETIM

ETIM 2.0	EC000237
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Classifications

ETIM

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

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

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		

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Approvals

Nominal current I _N	0.5 A
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EAC		RU*- DE.HB*35.B00385
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cULus Listed	
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