

Cable - CABLE-FCN40/4X14/200/OMR-OUT - 2304199

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Round cable set; controller: OMRON CJ1 (OD 231, OD 261), CQM1 (OD 213, OD 112), CS1, C200H (OD 218, OD 219); connection 1: Fujitsu connector (1x 40-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 2 m

Your advantages

- Splitting 32 channels into 4 x 8 channels



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 929817
GTIN	4017918929817

Technical data

Dimensions

Length	2 m
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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

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

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Technical data

Cable

Type of cable	Round cable set
Single wires, quantity	7
Single wire, material	Cu tin-plated
Single wire, cross section	0.14 mm ²
Single wire, cross section [AWG]	26
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	6.1 mm ±0.4 mm
Shielded	no
Halogen-free	no
Smallest bending radius, fixed installation	52 mm
Smallest bending radius, movable installation	98 mm
Bending cycles group	5000
Insulation resistance	≥ 20 MΩ*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	4
Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Connection data 2

Connection name	Controller level
Connection method	Fujitsu connector
Number of connections	1
Number of positions	40
Insertion/withdrawal cycles	> 50

Standards and Regulations

Flame resistance	IEC 60332-1-2 (raw cable)
	VDE 0842, Part 332-1-2 (raw cable)

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Technical data

Standards and Regulations

	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 in acc. with standard	CUL
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	OMRON CQM1
- suitable I/O card	OD213
Controller	OMRON CS1/C200H
- suitable I/O card	OD218
	OD219
Controller	OMRON C200H
- suitable I/O card	OD218
	OD219
Controller	OMRON CJ1
- suitable I/O card	OD231
	OD261

Color code

Connector 1 = connector 2 (optional) = wire color	Fujitsu40 (A1) = IDC/FLK14-1 (1) = black
	Fujitsu40 (A2) = IDC/FLK14-1 (2) = brown
	Fujitsu40 (A3) = IDC/FLK14-1 (3) = red
	Fujitsu40 (A4) = IDC/FLK14-1 (4) = orange
	Fujitsu40 (A5) = IDC/FLK14-1 (5) = yellow
	Fujitsu40 (A6) = IDC/FLK14-1 (6) = green
	Fujitsu40 (A714) = IDC/FLK14-1 (7) = blue
	Fujitsu40 (A8) = IDC/FLK14-1 (8) = violet
	Fujitsu40 (A10) = IDC/FLK14-1 (9) = gray
	Fujitsu40 (A9) = IDC/FLK14-1 (10) = white
	Fujitsu40 (A11) = IDC/FLK14-2 (1) = black
	Fujitsu40 (A12) = IDC/FLK14-2 (2) = brown
	Fujitsu40 (A13) = IDC/FLK14-2 (3) = red
	Fujitsu40 (A14) = IDC/FLK14-2 (4) = orange

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Technical data

Color code

	Fujitsu40 (A15) = IDC/FLK14-2 (5) = yellow
	Fujitsu40 (A16) = IDC/FLK14-2 (6) = green
	Fujitsu40 (A17) = IDC/FLK14-2 (7) = blue
	Fujitsu40 (A18) = IDC/FLK14-2 (8) = violet
	Fujitsu40 (A20) = IDC/FLK14-2 (9) = gray
	Fujitsu40 (A19) = IDC/FLK14-2 (10) = white
	Fujitsu40 (B1) = IDC/FLK14-3 (1) = black
	Fujitsu40 (B2) = IDC/FLK14-3 (2) = brown
	Fujitsu40 (B3) = IDC/FLK14-3 (3) = red
	Fujitsu40 (B4) = IDC/FLK14-3 (4) = orange
	Fujitsu40 (B5) = IDC/FLK14-3 (5) = yellow
	Fujitsu40 (B6) = IDC/FLK14-3 (6) = green
	Fujitsu40 (B7) = IDC/FLK14-3 (7) = blue
	Fujitsu40 (B8) = IDC/FLK14-3 (8) = violet
	Fujitsu40 (B10) = IDC/FLK14-3 (9) = gray
	Fujitsu40 (B9) = IDC/FLK14-3 (10) = white
	Fujitsu40 (B11) = IDC/FLK14-4 (1) = black
	Fujitsu40 (B12) = IDC/FLK14-4 (2) = brown
	Fujitsu40 (B13) = IDC/FLK14-4 (3) = red
	Fujitsu40 (B14) = IDC/FLK14-4 (4) = orange
	Fujitsu40 (B15) = IDC/FLK14-4 (5) = yellow
	Fujitsu40 (B16) = IDC/FLK14-4 (6) = green
	Fujitsu40 (B17) = IDC/FLK14-4 (7) = blue
	Fujitsu40 (B18) = IDC/FLK14-4 (8) = violet
	Fujitsu40 (B20) = IDC/FLK14-4 (9) = gray
	Fujitsu40 (B19) = IDC/FLK14-4 (10) = white

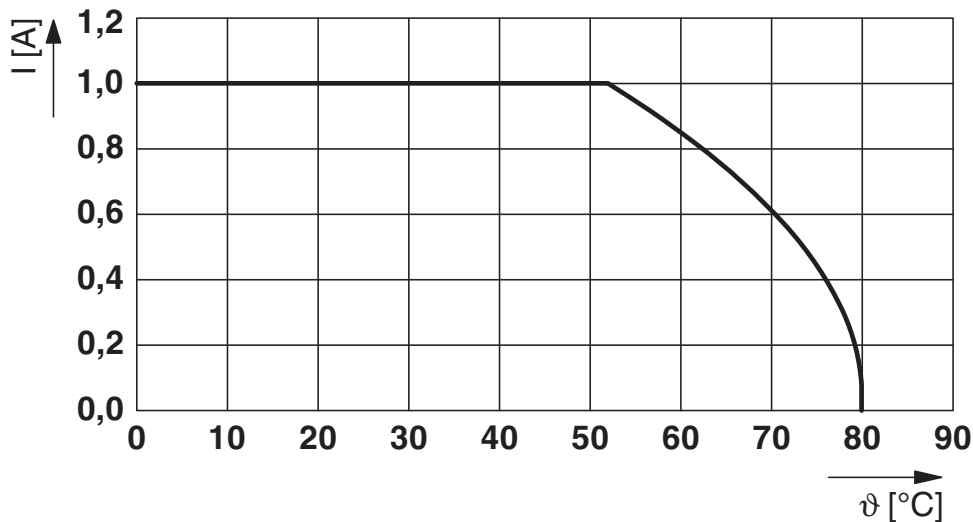
Environmental Product Compliance

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"

Drawings

Cable - CABLE-FCN40/4X14/200/OMR-OUT - 2304199

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
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

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Classifications

UNSPSC

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		1 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		1 A	

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

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Accessories

Marker carrier cable

Cable marker carrier - KME - 0807083



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

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