

## Cable - CABLE-FCN40/1X50/ 8,0M/IP/MEL - 2903482

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Round cable set for Mitsubishi Electric MELSEC L, MELSEC Q with 1 x Fujitsu connector (40-position) on 1 x IDC/FLK socket strip (50-position), Cable length: 8 m



RoHS

### Key Commercial Data

Packing unit	1 STK
Custom tariff number	85444290
Country of origin	Germany

### Technical data

#### General

Nominal voltage $U_N$	< 50 V AC
	60 V DC
Max. current carrying capacity per path	1 A
Max. total current of all branches	2 A
Max. conductor resistance	0.16 $\Omega$ /m
Length of cable	8 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	8.7 mm
Shielding	no
Outer sheath, material	PVC
External sheath, color	RAL7035

#### Environmental conditions

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#### Environmental conditions

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

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

#### Connector, controller side

Connection name	Controller level
Connection method	Fujitsu connector
Number of connections	1
Number of positions	40

#### Supported controller

Controller	MITSUBISHI MELSEC Q
- suitable I/O card	QX71
	QX72
	QX82
	QX82-S1
Controller	MITSUBISHI MELSEC L
- suitable I/O card	LX41C4
	LX42C4
Controller	Honeywell MasterLogic 200
- suitable I/O card	2MLI-D24A
	2MLI-D28B
	2MLF-SOEA

#### Standards and Regulations

Standards/regulations	DIN EN 60352-4
	DIN EN 60603-1
Resistance to oil	DIN VDE 0472 Part 803, test type B
Flame resistance	IEC 60332-1

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### Standards and Regulations

	DIN VDE 0482 Part 332-1
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### Color code

Connector 1 = connector 2 (optional) = wire color	Fujitsu40 (B1) = IDC/FLK50 (11) = black
	Fujitsu40 (B2) = IDC/FLK50 (48) = brown
	Fujitsu40 (A5) = IDC/FLK50 (46) = red
	Fujitsu40 (B5) = IDC/FLK50 (22) = orange
	Fujitsu40 (A6) = IDC/FLK50 (45) = yellow
	Fujitsu40 (B6) = IDC/FLK50 (21) = green
	Fujitsu40 (A7) = IDC/FLK50 (44) = blue
	Fujitsu40 (B7) = IDC/FLK50 (20) = violet
	Fujitsu40 (A8) = IDC/FLK50 (43) = gray
	Fujitsu40 (B8) = IDC/FLK50 (19) = white
	Fujitsu40 (A9) = IDC/FLK50 (42) = white-black
	Fujitsu40 (B9) = IDC/FLK50 (18) = white-brown
	Fujitsu40 (A10) = IDC/FLK50 (41) = white-red
	Fujitsu40 (B10) = IDC/FLK50 (17) = white-orange
	Fujitsu40 (A11) = IDC/FLK50 (40) = white-yellow
	Fujitsu40 (B11) = IDC/FLK50 (16) = white-green
	Fujitsu40 (A12) = IDC/FLK50 (39) = white-blue
	Fujitsu40 (B12) = IDC/FLK50 (15) = white-violet
	Fujitsu40 (A13) = IDC/FLK50 (34) = white-gray
	Fujitsu40 (B13) = IDC/FLK50 (10) = brown-black
	Fujitsu40 (A14) = IDC/FLK50 (33) = brown-red
	Fujitsu40 (B14) = IDC/FLK50 (9) = brown-orange
	Fujitsu40 (A15) = IDC/FLK50 (32) = brown-yellow
	Fujitsu40 (B15) = IDC/FLK50 (8) = brown-green
	Fujitsu40 (A16) = IDC/FLK50 (31) = brown-blue
	Fujitsu40 (B16) = IDC/FLK50 (7) = brown-violet
	Fujitsu40 (A17) = IDC/FLK50 (30) = brown-gray
	Fujitsu40 (B17) = IDC/FLK50 (6) = brown-white
	Fujitsu40 (A18) = IDC/FLK50 (29) = green-black
	Fujitsu40 (B18) = IDC/FLK50 (5) = green-brown
	Fujitsu40 (A19) = IDC/FLK50 (28) = green-red
	Fujitsu40 (B19) = IDC/FLK50 (4) = green-orange
	Fujitsu40 (A20) = IDC/FLK50 (27) = green-blue
	Fujitsu40 (B20) = IDC/FLK50 (3) = green-violet

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## Classifications

### eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 6.0	27249205
eCl@ss 7.0	27249205
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

### UNSPSC

UNSPSC 6.01	26121620
UNSPSC 7.0901	26121620
UNSPSC 11	26121620
UNSPSC 12.01	26121620
UNSPSC 13.2	26121620

## Approvals

### Approvals

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Approvals

EAC / UL Listed / cUL Listed / cULus Listed

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Ex Approvals


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### Approval details

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

UL Listed  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 238705

cUL Listed  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 238705

cULus Listed 