

## Cable - CABLE-FCN40/4X14/ 6,0M/IM/MEL - 2903507

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Round cable set for Mitsubishi Electric MELSEC L, MELSEC Q with 1 x Fujitsu connector (40-position) on 4 x IDC/FLK socket strip (14-position), Cable length: 6 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	6 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
Shielding	no
Outer sheath, material	PVC
External sheath, color	RAL7035

#### Environmental conditions

Ambient temperature (operation)	-20 °C ... 50 °C
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### Technical data

#### Environmental conditions

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	4
Number of positions	14
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	QX41
	QX41-S1
	QX42
	QX42-S1
	QY41P
	QY42P
	QH42P
	QY82P
Controller	MITSUBISHI MELSEC L
- suitable I/O card	LX41C4
	LX42C4
	LY41NT1P
	LY42NT1P
	LY41PT1P
	LY42PT1P
Controller	Honeywell MasterLogic 200
- suitable I/O card	2MLQ-TR4A
	2MLQ-TR8A

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### Technical data

#### Supported controller

	2MLQ-TR4B
	2MLQ-TR8B

#### Standards and Regulations

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

#### Color code

Connector 1 = connector 2 (optional) = wire color	Fujitsu40 (B20) = IDC/FLK14-1 (1) = black
	Fujitsu40 (B19) = IDC/FLK14-1 (2) = brown
	Fujitsu40 (B18) = IDC/FLK14-1 (3) = red
	Fujitsu40 (B17) = IDC/FLK14-1 (4) = orange
	Fujitsu40 (B16) = IDC/FLK14-1 (5) = yellow
	Fujitsu40 (B15) = IDC/FLK14-1 (6) = green
	Fujitsu40 (B14) = IDC/FLK14-1 (7) = blue
	Fujitsu40 (B13) = IDC/FLK14-1 (8) = violet
	Fujitsu40 (B1) = IDC/FLK14-1 (9) = gray
	Fujitsu40 (A1) = IDC/FLK14-1 (10) = white
	Fujitsu40 (B12) = IDC/FLK14-2 (1) = black
	Fujitsu40 (B11) = IDC/FLK14-2 (2) = brown
	Fujitsu40 (B10) = IDC/FLK14-2 (3) = red
	Fujitsu40 (B9) = IDC/FLK14-2 (4) = orange
	Fujitsu40 (B8) = IDC/FLK14-2 (5) = yellow
	Fujitsu40 (B7) = IDC/FLK14-2 (6) = green
	Fujitsu40 (B6) = IDC/FLK14-2 (7) = blue
	Fujitsu40 (B5) = IDC/FLK14-2 (8) = violet
	Fujitsu40 (B1) = IDC/FLK14-2 (9) = gray
	Fujitsu40 (A1) = IDC/FLK14-2 (10) = white
	Fujitsu40 (A20) = IDC/FLK14-3 (1) = black
	Fujitsu40 (A19) = IDC/FLK14-3 (2) = brown
	Fujitsu40 (A18) = IDC/FLK14-3 (3) = red
	Fujitsu40 (A17) = IDC/FLK14-3 (4) = orange
	Fujitsu40 (A16) = IDC/FLK14-3 (5) = yellow
	Fujitsu40 (A15) = IDC/FLK14-3 (6) = green
	Fujitsu40 (A14) = IDC/FLK14-3 (7) = blue
	Fujitsu40 (A13) = IDC/FLK14-3 (8) = violet
	Fujitsu40 (B2) = IDC/FLK14-3 (9) = gray

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### Technical data

#### Color code

	Fujitsu40 (A2) = IDC/FLK14-3 (10) = white
	Fujitsu40 (A12) = IDC/FLK14-4 (1) = black
	Fujitsu40 (A11) = IDC/FLK14-4 (2) = brown
	Fujitsu40 (A10) = IDC/FLK14-4 (3) = red
	Fujitsu40 (A9) = IDC/FLK14-4 (4) = orange
	Fujitsu40 (A8) = IDC/FLK14-4 (5) = yellow
	Fujitsu40 (A7) = IDC/FLK14-4 (6) = green
	Fujitsu40 (A6) = IDC/FLK14-4 (7) = blue
	Fujitsu40 (A5) = IDC/FLK14-4 (8) = violet
	Fujitsu40 (B2) = IDC/FLK14-4 (9) = gray
	Fujitsu40 (A2) = IDC/FLK14-4 (10) = white

### Drawings

# Cable - CABLE-FCN40/4X14/ 6,0M/IM/MEL - 2903507

Connection diagram

Socket strip (X1)	Double assignment	Conductor color	FLK 14 (X2) Byte 0	FLK 14 (X3) Byte 1	FLK 14 (X4) Byte 2	FLK 14 (X5) Byte 3
PIN B20		Black	PIN 1			
PIN B19		Brown	PIN 2			
PIN B18		Red	PIN 3			
PIN B17		Orange	PIN 4			
PIN B16		Yellow	PIN 5			
PIN B15		Green	PIN 6			
PIN B14		Blue	PIN 7			
PIN B13		Violet	PIN 8			
PIN B01		Gray	PIN 9			
PIN A01		White	PIN10			
PIN B12		Black		PIN 1		
PIN B11		Brown		PIN 2		
PIN B10		Red		PIN 3		
PIN B09		Orange		PIN 4		
PIN B08		Yellow		PIN 5		
PIN B07		Green		PIN 6		
PIN B06		Blue		PIN 7		
PIN B05		Violet		PIN 8		
		Gray		PIN 9		
		White		PIN10		
PIN A20		Black			PIN 1	
PIN A19		Brown			PIN 2	
PIN A18		Red			PIN 3	
PIN A17		Orange			PIN 4	
PIN A16		Yellow			PIN 5	
PIN A15		Green			PIN 6	
PIN A14		Blue			PIN 7	
PIN A13		Violet			PIN 8	
PIN B02		Gray			PIN 9	
PIN A02		White			PIN10	
PIN A12		Black				PIN 1
PIN A11		Brown				PIN 2
PIN A10		Red				PIN 3
PIN A09		Orange				PIN 4
PIN A08		Yellow				PIN 5
PIN A07		Green				PIN 6
PIN A06		Blue				PIN 7
PIN A05		Violet				PIN 8
		Gray				PIN 9
		White				PIN10

## 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

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## Classifications

### ETIM

ETIM 5.0	EC000237
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### 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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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
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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
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cULus Listed 
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