

Cable - CABLE-FCN40/4X14/10,0M/IM/MEL - 2903509

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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: 10 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 Ω /m |
| Length of cable | 10 m |
| Single wire, cross section | 0.14 mm ² |
| 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

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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 |
|----------|----------|

UNSPSC

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|---------------|----------|
| UNSPSC 6.01 | 26121620 |
| UNSPSC 7.0901 | 26121620 |
| UNSPSC 11 | 26121620 |
| UNSPSC 12.01 | 26121620 |
| UNSPSC 13.2 | 26121620 |

Approvals

Approvals


Approvals


EAC / UL Listed / cUL Listed / cULus Listed


Ex Approvals

Approval details

| |
|-------------------------|
| EAC RU C-DE.A*30.B00767 |
|-------------------------|

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

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