

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

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Assembled round cable for connecting 4 x 8 channels in the Mitsubishi Melsec L and Melsec Q. The system cable has one 40-pos. Fujitsu strip and four 14-pos. FLK strips, length: 6 m.



### Key commercial data

|                                      |                                                                                                        |
|--------------------------------------|--------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                   |
| GTIN                                 | <br>4 046356 745451 |
| Weight per Piece (excluding packing) | 125.1 g                                                                                                |
| Custom tariff number                 | 85444290                                                                                               |
| Country of origin                    | Germany                                                                                                |
| Note                                 | Made to Order (non-returnable)                                                                         |

### 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> |
| 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                        |
| Resistance to oil                       | DIN VDE 0472 Part 803, test type B |
| Gasoline resistance                     | Against occasional splashes        |

#### Connector, module side

|                     |                                |
|---------------------|--------------------------------|
| Number of positions | 14                             |
| Connectors          | IDC/FLK socket strip (2.54 mm) |
| Number of plugs     | 4                              |

#### Connector, controller side

|                     |                   |
|---------------------|-------------------|
| Number of positions | 40                |
| Connectors          | Fujitsu connector |
| Number of plugs     | 1                 |

#### Supported controller

|                     |                           |
|---------------------|---------------------------|
| Controller          | MITSUBISHI MELSEC Q       |
| - suitable I/O card | QX41                      |
|                     | QX41-S1                   |
|                     | QX42                      |
|                     | QX42-S1                   |
|                     | QY41P                     |
|                     | QY42P                     |
|                     | QH42P                     |
| 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                 |
|                     | 2MLQ-TR4B                 |
|                     | 2MLQ-TR8B                 |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |
| eCl@ss 8.0 | 27249205 |

#### 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

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Ex Approvals

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Approvals submitted

#### Approval details

|     |
|-----|
| EAC |
|-----|

### Drawings

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

Connection diagram

| Federl. (X1) | Doppel-<br>belegung | Aderfarbe | FLK 14<br>(X2)<br>Byte 0 | FLK 14<br>(X3)<br>Byte 1 | FLK 14<br>(X4)<br>Byte 2 | FLK 14<br>(X5)<br>Byte 3 |
|--------------|---------------------|-----------|--------------------------|--------------------------|--------------------------|--------------------------|
| PIN B20      |                     | schwarz   | PIN 1                    |                          |                          |                          |
| PIN B19      |                     | braun     | PIN 2                    |                          |                          |                          |
| PIN B18      |                     | rot       | PIN 3                    |                          |                          |                          |
| PIN B17      |                     | orange    | PIN 4                    |                          |                          |                          |
| PIN B16      |                     | gelb      | PIN 5                    |                          |                          |                          |
| PIN B15      |                     | grün      | PIN 6                    |                          |                          |                          |
| PIN B14      |                     | blau      | PIN 7                    |                          |                          |                          |
| PIN B13      |                     | violett   | PIN 8                    |                          |                          |                          |
| PIN B01      |                     | grau      | PIN 9                    |                          |                          |                          |
| PIN A01      |                     | weiß      | PIN10                    |                          |                          |                          |
| PIN B12      |                     | schwarz   |                          | PIN 1                    |                          |                          |
| PIN B11      |                     | braun     |                          | PIN 2                    |                          |                          |
| PIN B10      |                     | rot       |                          | PIN 3                    |                          |                          |
| PIN B09      |                     | orange    |                          | PIN 4                    |                          |                          |
| PIN B08      |                     | gelb      |                          | PIN 5                    |                          |                          |
| PIN B07      |                     | grün      |                          | PIN 6                    |                          |                          |
| PIN B06      |                     | blau      |                          | PIN 7                    |                          |                          |
| PIN B05      |                     | violett   |                          | PIN 8                    |                          |                          |
|              |                     | grau      |                          | PIN 9                    |                          |                          |
|              |                     | weiß      |                          | PIN10                    |                          |                          |
| PIN A20      |                     | schwarz   |                          |                          | PIN 1                    |                          |
| PIN A19      |                     | braun     |                          |                          | PIN 2                    |                          |
| PIN A18      |                     | rot       |                          |                          | PIN 3                    |                          |
| PIN A17      |                     | orange    |                          |                          | PIN 4                    |                          |
| PIN A16      |                     | gelb      |                          |                          | PIN 5                    |                          |
| PIN A15      |                     | grün      |                          |                          | PIN 6                    |                          |
| PIN A14      |                     | blau      |                          |                          | PIN 7                    |                          |
| PIN A13      |                     | violett   |                          |                          | PIN 8                    |                          |
| PIN B02      |                     | grau      |                          |                          | PIN 9                    |                          |
| PIN A02      |                     | weiß      |                          |                          | PIN10                    |                          |
| PIN A12      |                     | schwarz   |                          |                          |                          | PIN 1                    |
| PIN A11      |                     | braun     |                          |                          |                          | PIN 2                    |
| PIN A10      |                     | rot       |                          |                          |                          | PIN 3                    |
| PIN A09      |                     | orange    |                          |                          |                          | PIN 4                    |
| PIN A08      |                     | gelb      |                          |                          |                          | PIN 5                    |
| PIN A07      |                     | grün      |                          |                          |                          | PIN 6                    |
| PIN A06      |                     | blau      |                          |                          |                          | PIN 7                    |
| PIN A05      |                     | violett   |                          |                          |                          | PIN 8                    |
|              |                     | grau      |                          |                          |                          | PIN 9                    |
|              |                     | weiß      |                          |                          |                          | PIN10                    |