

## Cable - FLK 50-PA/EZ-DR/KS/ 900/YUC - 2321512

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Assembled round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 9.0 m

Illustration shows the product FLK 50-PA/EZ-DR/KS/ 200/YUC

### Why buy this product

- ☒ Molded connectors
- ☒ Lateral cable outlet of the I/O module
- ☒ KS/AKB-compatible connectors on the module side
- ☒ Can be screwed on



### Key commercial data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| GTIN                                 | <br>4 046356 340281 |
| Weight per Piece (excluding packing) | 1800.0 g                                                                                                |
| Custom tariff number                 | 85444290                                                                                                |
| Country of origin                    | Germany                                                                                                 |
| Note                                 | Made to Order (non-returnable)                                                                          |

### Technical data

#### General

|                                               |                                         |
|-----------------------------------------------|-----------------------------------------|
| Nominal voltage $U_N$                         | 30 V DC                                 |
| Max. current carrying capacity per path       | 500 mA (Up to 55°C ambient temperature) |
| Max. conductor resistance                     | 0.16 $\Omega$ /m                        |
| Length of cable                               | 9 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                           |
| External diameter                             | 11 mm                                   |

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### Technical data

#### General

|                        |               |
|------------------------|---------------|
| Shielding              | yes           |
| Outer sheath, material | PVC           |
| External sheath, color | Gray RAL 7035 |

#### Environmental conditions

|                                         |                                    |
|-----------------------------------------|------------------------------------|
| Ambient temperature (operation)         | -20 °C ... 50 °C                   |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C                   |
| Flame resistance                        | IEC 60332-1                        |
| Resistance to oil                       | DIN VDE 0472 Part 803, test type B |

#### Connector, module side

|                     |                                |
|---------------------|--------------------------------|
| Number of positions | 50                             |
| Connectors          | IDC/FLK socket strip (2.54 mm) |
| Number of plugs     | 1                              |

#### Connector, controller side

|                     |                                |
|---------------------|--------------------------------|
| Number of positions | 50                             |
| Connectors          | IDC/FLK socket strip (2.54 mm) |
| Number of plugs     | 1                              |

#### Connection data

|                   |                  |
|-------------------|------------------|
| Connection method | Screw connection |
| Torque            | 0.5 Nm           |

#### Supported controller

|                     |                          |
|---------------------|--------------------------|
| Controller          | YOKOGAWA CENTUM CS3000R3 |
| - suitable I/O card | ADV151                   |
|                     | ADV551                   |
| Controller          | YOKOGAWA STARDOM         |
| - suitable I/O card | NFDV151                  |
|                     | NFDV551                  |

### Classifications

#### eCl@ss

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

## Cable - FLK 50-PA/EZ-DR/KS/ 900/YUC - 2321512

### Classifications

#### 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

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#### Approval details

|     |
|-----|
| EAC |
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### Accessories

#### Spare parts

Screw set - VF-SCREW-YOKOGAWA/M3X18/DCS - 2902873



Replacement screw M3x18 for Yokogawa system cable, front adapter control side.

## Cable - FLK 50-PA/EZ-DR/KS/ 900/YUC - 2321512

### Accessories

Screw set - VF-SCREW-YOKOGAWA/M4X25/KS - 2902874



Replacement screw M4x25 for Yokogawa system cable, module side.

### Drawings

Connection diagram

| 50-pos.<br>connector to<br>the I/O card | 50-pos.<br>connector to<br>the module | Wire color    |
|-----------------------------------------|---------------------------------------|---------------|
| 1                                       | 50                                    | black         |
| 2                                       | 49                                    | brown         |
| 3                                       | 48                                    | red           |
| 4                                       | 47                                    | orange        |
| 5                                       | 46                                    | yellow        |
| 6                                       | 45                                    | green         |
| 7                                       | 44                                    | blue          |
| 8                                       | 43                                    | violet        |
| 9                                       | 42                                    | gray          |
| 10                                      | 41                                    | white         |
| 11                                      | 40                                    | white-black   |
| 12                                      | 39                                    | white-brown   |
| 13                                      | 38                                    | white-red     |
| 14                                      | 37                                    | white-orange  |
| 15                                      | 36                                    | white-yellow  |
| 16                                      | 35                                    | white-green   |
| 17                                      | 34                                    | white-blue    |
| 18                                      | 33                                    | white-violet  |
| 19                                      | 32                                    | white-gray    |
| 20                                      | 31                                    | brown-black   |
| 21                                      | 30                                    | brown-red     |
| 22                                      | 29                                    | brown-orange  |
| 23                                      | 28                                    | brown-yellow  |
| 24                                      | 27                                    | brown-green   |
| 25                                      | 26                                    | brown-blue    |
| 26                                      | 25                                    | brown-violet  |
| 27                                      | 24                                    | brown-gray    |
| 28                                      | 23                                    | brown-white   |
| 29                                      | 22                                    | green-black   |
| 30                                      | 21                                    | green-brown   |
| 31                                      | 20                                    | green-red     |
| 32                                      | 19                                    | green-orange  |
| 33                                      | 18                                    | green-blue    |
| 34                                      | 17                                    | green-violet  |
| 35                                      | 16                                    | green-gray    |
| 36                                      | 15                                    | green-white   |
| 37                                      | 14                                    | yellow-black  |
| 38                                      | 13                                    | yellow-brown  |
| 39                                      | 12                                    | yellow-red    |
| 40                                      | 11                                    | yellow-orange |
| 41                                      | 10                                    | yellow-blue   |
| 42                                      | 9                                     | yellow-violet |
| 43                                      | 8                                     | yellow-gray   |
| 44                                      | 7                                     | yellow-white  |
| 45                                      | 6                                     | gray-black    |
| 46                                      | 5                                     | gray-brown    |
| 47                                      | 4                                     | gray-red      |
| 48                                      | 3                                     | gray-orange   |
| 49                                      | 2                                     | gray-yellow   |
| 50                                      | 1                                     | gray-green    |