

## Cable plug in molded plastic - K-7E - OE/2,0-D03/M40 F8 - 1620322

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Cable plug in molded plastic, Length: 2 m, Color of outer sheath: orange RAL 2003

### Product Features

- Our standard: robust halogen-free PUR cable
- Simple and safe: 100% electrically tested and assembled ready for use
- Designs with pre-assembled cables on one or both sides
- High flexibility: customer-specific assemblies and cable lengths can be supplied



### Key Commercial Data

|                        |          |
|------------------------|----------|
| Packing unit           | 1 pc     |
| Minimum order quantity | 2 pc     |
| Custom tariff number   | 85444290 |
| Country of origin      | Germany  |

### Technical data

|                  |      |
|------------------|------|
| Conductor length | 2 m  |
| Nominal current  | 26 A |

### Connector specifications

|                             |                            |
|-----------------------------|----------------------------|
| Type                        | straight plastic-sheathed  |
| Thread type                 | M40                        |
| Locking type                | Screw locking              |
| Degree of protection        | IP67, when in locked state |
| Number of positions         | 4+3+PE                     |
| Direction of rotation       | Standard                   |
| Type of contact             | Socket                     |
| Insertion/withdrawal cycles | 50                         |

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### Technical data

#### Connector specifications

|                                 |                   |
|---------------------------------|-------------------|
| Contact resistance              | < 0.3 mΩ          |
| Max. current                    | 70 A              |
| Voltage                         | 630 V             |
| Overvoltage category            | III               |
| Degree of pollution             | 3                 |
| Rated surge voltage             | 6 kV              |
| Ambient temperature (operation) | -40 °C ... 105 °C |

#### Cable specifications

|   |   |
|---|---|
| Type of cable                                 | PSLC11Y-J   |
| Shielded                                      | yes   |
| Cable structure                               | 4 x 2.5 mm <sup>2</sup> + 2 x 2 x 1.0 mm <sup>2</sup> StC |
| External cable diameter                       | 13.5 mm ±0.4 mm   |
| Outer sheath, material                        | PUR   |
| Material wire insulation                      | TPM   |
| External sheath, color                        | orange RAL 2003   |
| Nominal voltage, cable                        | 1000 V  |
| Test voltage                                  | 4 kV (2 kV signal)  |
| Smallest bending radius, movable installation | 135 mm  |
| Number of bending cycles                      | 10000000  |
| Bending radius                                | 135 mm  |
| Traversing path                               | 6 m   |
| Acceleration                                  | 5 m/s <sup>2</sup>  |
| Ambient temperature for fixed installation    | -40 °C ... 80 °C  |
| Ambient temperature for flexible installation | -20 °C ... 60 °C  |
| Special properties                            | Flexible cable conduit capable                            |
| Flame resistance                              | IEC 332-1   |
| Halogen-free                                  | DIN VDE 0472  |

### 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 | 27279218 |
| eCl@ss 7.0 | 27279218 |

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## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 8.0 | 27062011 |
| eCl@ss 9.0 | 27062011 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001578 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 26121604 |
| UNSPSC 7.0901 | 26121604 |
| UNSPSC 11     | 26121604 |
| UNSPSC 12.01  | 26121604 |
| UNSPSC 13.2   | 26121604 |

## Approvals

### Approvals

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#### Approvals

UL Listed / cUL Listed / EAC / cULus Listed

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#### Ex Approvals

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#### Approvals submitted

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## Approval details

|   |       |
|---|-------|
| UL Listed  |       |
| Nominal current IN  | 14 A  |
| Nominal voltage UN  | 600 V |

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## Approvals

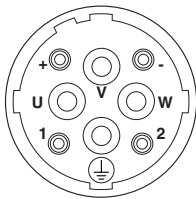
|                                |       |
|--------------------------------|-------|
| cUL Listed                     |       |
| Nominal current I <sub>N</sub> | 14 A  |
| Nominal voltage U <sub>N</sub> | 600 V |

EAC

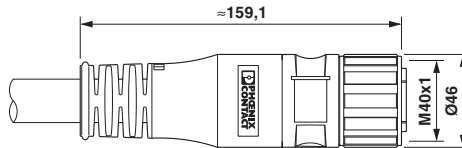
cULus Listed

## Drawings

Schematic diagram



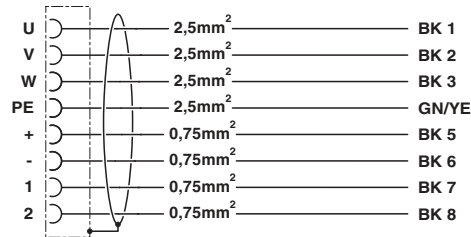
Dimensional drawing



Connector pin assignment

Dimensional drawing

Circuit diagram



Contact assignment of M40 plugs/sockets