

**M8 female 0° shielded with cable, Ethercat**

PUR 1x4xAWG26 shielded gn UL/CSA+drag ch. 1,5m

Female straight

M8, 4-pole

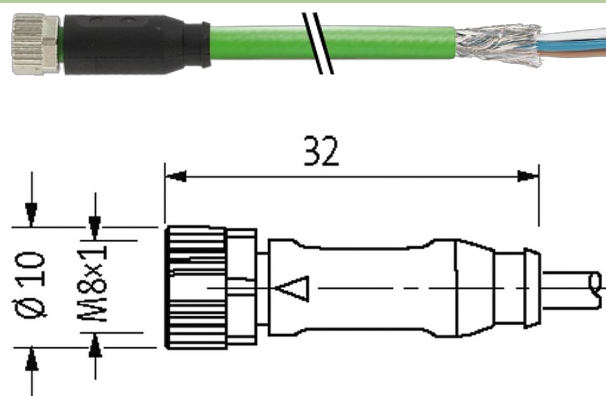
shielded

Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

**Illustration**

Product may differ from Image

**Approvals****Form**

Form 08831

**General data**

|                            |                                          |
|----------------------------|------------------------------------------|
| Standards                  | DIN EN 61076-2-104 (M8)                  |
| Mounting method            | inserted, tightened                      |
| Material (contact)         | Copper alloy                             |
| Material (contact surface) | Au                                       |
| Material (gasket)          | FKM                                      |
| Pollution Degree           | 3                                        |
| Stripping length (jacket)  | 20 mm                                    |
| Temperature range          | -25...+85 °C, depending on cable quality |

**Cables**

|                       |                     |
|-----------------------|---------------------|
| No./diameter of wires | 1 x 4 x 0.15 mm²    |
| Wire isolation        | PO (wh, ye, bl, or) |
| C-track properties    | 5 Mio.              |
| Material (jacket)     | PUR (UL/CSA)        |
| Outer Ø               | 4.9 mm ±5%          |
| Bend radius (moving)  | 12 x outer Ø        |

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| Temperature range (fixed)       | -20...+80 °C                                      |
| Temperature range (mobile)      | -20...+50 °C                                      |
| Cable identification            | 791                                               |
| Approval (cable)                | UL (AWM-Style 20236/1589), CSA; CE                |
| Cable weight [g/m]              | 59,40                                             |
| Material (wire)                 | Cu wire, bare                                     |
| Resistor (core)                 | max. 139.3 $\Omega$ /km (20 °C)                   |
| Single wire Ø (core)            | 0.15 mm                                           |
| Construction (core)             | 19× 0.15 mm (multi-strand wire class 5)           |
| Diameter (core)                 | 1 × 4× AWG26                                      |
| AWG                             | similar to AWG 26                                 |
| Material (wire isolation)       | PO                                                |
| Wire-Ø incl. isolation          | 1.0 mm ±5%                                        |
| Color/numbering of wires        | wh, or, bl, ye                                    |
| Stranding combination           | 4 wires twisted                                   |
| Shield                          | yes                                               |
|                                 | min. 85%                                          |
| Material (jacket)               | PUR                                               |
| Material property (jacket)      | CFC-, halogen-, cadmium-, silicone- and lead-free |
| Outer-Ø (jacket)                | 4.9 mm ±5%                                        |
| Color (jacket)                  | green                                             |
| chemical resistance             | good resistance to oil, gasoline and chemicals    |
| thermal resistance              | flame retardant                                   |
| Temperature range (fixed)       | -20...+80 °C                                      |
| Temperature range (mobile)      | -20...+50 °C                                      |
| Bend radius (fixed)             | 7.5× outer Ø                                      |
| Bend radius (moving)            | 12× outer Ø                                       |
| No. of bending cycles (C-track) | max. 5 Mio. (25 °C)                               |
| Traversing distance (C-track)   | max. 5 m (horizontal)                             |
| Travel speed (C-track)          | max. 300 m/min                                    |
| Acceleration (C-track)          | max. 5 m/s <sup>2</sup>                           |
| Jacket Color                    | green                                             |

**Technical Data**

|                                           |                                                                 |
|-------------------------------------------|-----------------------------------------------------------------|
| Operating voltage                         | max. 50 V AC/60 V DC                                            |
| Rated surge voltage                       | 0.8 kV                                                          |
| Operating current per contact             | max. 4 A                                                        |
| Material group                            | IEC 60664-1, category I                                         |
| No. of poles                              | 4                                                               |
| LED display                               | no                                                              |
| Locking of ports                          | Screw thread (M8×1 mm) recommended torque 0.4 Nm, self-securing |
| Compression gland                         | M8 (SW9)                                                        |
| Protection                                | IP67 inserted and tightened (EN 60529)                          |
| Locking material                          | Zinc die casting, matte nickel plated                           |
| Material                                  | PUR                                                             |
| suitable for corrugated tube (internal Ø) | 6.5 mm                                                          |

**Commercial data**

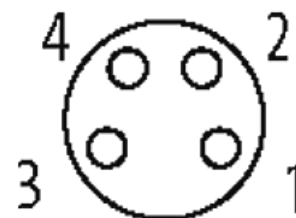
|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444290      |
| EAN                   | 4048879836395 |
| eClass                | 27061801      |

Packaging unit

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**Sketch**

Female



Product may differ from Image