

**M8 male 0° / M8 female 0° A-cod.**

PUR 3x0.25 bk UL/CSA+drag ch. 1.5m

Male straight – female straight

M8 – M8, 3-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

Further cable lengths 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.

**[Link to Product](#)****Illustration**

Product may differ from Image



\* only for products with UL/CSA approved cable

| Form                                      |  |
|---|--|
| Form                                      | 88001  |
| Technical Data                            |  |
| Operating voltage                         | max. 50 V AC/60 V DC   |
| Operating voltage (only UL listed)        | 30 V AC/DC   |
| Rated surge voltage                       | 1.5 kV   |
| Operating current per contact             | max. 4 A   |
| No. of poles                              | 3  |
| Material group                            | IEC 60664-1, category I  |
| LED display                               | no   |
| Locking of ports                          | Screw thread (M8×1 mm) recommended torque 0.4 Nm, self-securing  |
| Compression gland                         | M8 (SW9)   |
| Protection                                | IP65, IP66K, IP67 inserted and tightened (EN 60529)  |
| Material                                  | PUR  |
| Locking material                          | Zinc die casting, matte nickel plated  |
| suitable for corrugated tube (internal Ø) | 6.5 mm   |
| 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  |
| Temperature range                         | -25...+85 °C, depending on cable quality   |
| Cables                                    |  |
| Cable identification                      | 644  |
| Cable Type                                | 3 (PUR)  |
| Cable weight [g/m]                        | 28,05 g  |
| Material (wire)                           | Cu wire, bare  |
| Resistor (core)                           | max. 79 Ω/km (20 °C)   |
| Single wire Ø (core)                      | 0.1 mm   |
| Construction (core)                       | 32× 0.1 mm (multi-strand wire class 6)   |
| Diameter (core)                           | 3× 0.25 mm <sup>2</sup>  |
| AWG                                       | similar to AWG 24  |
| Material (wire isolation)                 | PP   |
| Material property (wire isolation)        | CFC-, halogen-, cadmium-, silicone- and lead-free  |
| Shore hardness (wire isolation)           | 65 ±5 D  |
| Wire-Ø incl. isolation                    | 1.35 mm ±5%  |
| Color/numbering of wires                  | br, bk, bl   |
| Stranding combination                     | 3 wires twisted  |
| Shield                                    | no   |
| Material (jacket)                         | PUR  |
| Material property (jacket)                | CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant |
| Shore hardness (jacket)                   | 90 ±5 A  |
| Outer-Ø (jacket)                          | 4.6 mm ±5%   |
| Color (jacket)                            | black  |
| chemical resistance                       | good resistance to oil, gasoline and chemicals (EN 60811-404)  |
| thermal resistance                        | flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2   |

The information in this brochure has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 03/22

|                                 |                         |
|---------------------------------|-------------------------|
| Nominal voltage                 | 600 V AC                |
| Test voltage                    | 6 kV spark test         |
| Current load capacity           | to DIN VDE 0298-4       |
| Temperature range (fixed)       | -40...+90 °C            |
| Temperature range (mobile)      | -25...+90 °C            |
| Bend radius (fixed)             | 5× outer Ø              |
| Bend radius (moving)            | 10× outer Ø             |
| No. of bending cycles (C-track) | max. 5 Mio. (25 °C)     |
| Travel speed (C-track)          | max. 3.3 m/s            |
| Acceleration (C-track)          | max. 5 m/s <sup>2</sup> |
| Torsion stress                  | ±180°/m                 |
| No. of torsion cycles           | max. 2 Mio. (25 °C)     |
| Torsion speed                   | 35 cycles/min           |

**Commercial data**

|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444290      |
| EAN                   | 4048879629348 |
| eClass                | 27279218      |
| Packaging unit        | 1.000         |