

M12 male 0° / M8 female 90° A-cod. LED

PUR 3x0.25 bk UL/CSA 3.5m

Male straight – female 90°

M12 – M8, 3-pole

LED (yellow/green)

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.

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

Male



Female





Product may differ from Image



* only for products with UL/CSA approved cable

Form

Form 40641

Technical Data

| | |
|-------------------------------------------|-------------------------------------------------------------------------|
| Operating voltage | 24 V DC $\pm 25\%$ |
| Operating voltage (only UL listed) | 30 V DC |
| Rated surge voltage | 0.8 kV |
| Operating current per contact | max. 4 A |
| No. of poles | 3 |
| Current consumption | 5 mA |
| Material group | IEC 60664-1, category I |
| LED display | (yellow/green) |
| Locking of ports | Screw thread (M8/M12x1 mm) recommended torque 0.4/0.6 Nm, self-securing |
| Compression gland | M8 (SW9), M12 (SW13) |
| Protection | IP66K, IP67 inserted and tightened (EN 60529) |
| Material | PUR |
| Locking material | Zinc die casting, matte nickel plated |
| suitable for corrugated tube (internal Ø) | M12 (10 mm); M8 (6.5 mm) |

General data

| | |
|----------------------------|---------------------------------------------------|
| Standards | DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8) |
| 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 | 620 |
| Cable Type | 2 (PUR/PVC) |
| Approval (cable) | UL (AWM-Style 20549/1731), CSA; CE conform |
| Cable weight [g/m] | 26,62 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 ² |
| AWG | similar to AWG 24 |
| Material (wire isolation) | PVC |
| Material property (wire isolation) | CFC-, cadmium-, silicone- and lead-free |
| Shore hardness (wire isolation) | 43 ±5 D |
| Wire-Ø incl. isolation | 1.25 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) | 85 ±5 A |
| Outer-Ø (jacket) | 4.3 mm ±5% |
| Color (jacket) | black |
| Cable labeling | see frame delivery specifications 7000-00000-001 |
| chemical resistance | good resistance to oil, gasoline and chemicals |
| Nominal voltage | UL 300 V AC |
| Test voltage | 2000 V AC |
| Current load capacity | to DIN VDE 0298-4 |
| Temperature range (fixed) | -30...+80 °C |
| Temperature range (mobile) | -5...+80 °C |
| Bend radius (fixed) | 10× outer Ø |
| Bend radius (moving) | 15× outer Ø |
| No. of bending cycles (C-track) | max. 2 Mio. (25 °C) |
| Travel speed (C-track) | max. 3.3 m/s |
| Acceleration (C-track) | max. 5 m/s ² |

Commercial data

| | |
|-----------------------|---------------|
| country of origin | DE |
| customs tariff number | 85444290 |
| EAN | 4048879584135 |
| eClass | 27279218 |
| Packaging unit | 1.000 |