

**M12 male 0° D-cod. / RJ45 male 0° shielded**

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 27.5m

Male straight – male straight

M12 – RJ45, 4-pole

D-coded

shielded

Ethernet CAT5

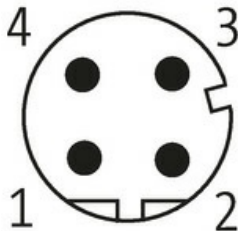
Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

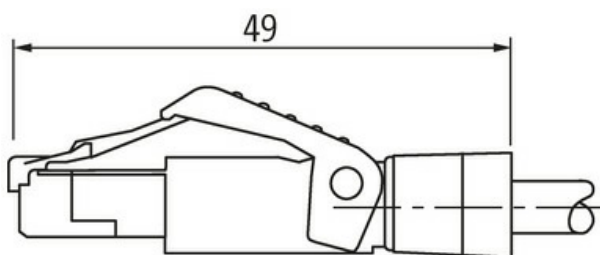
The resistance to aggressive media should be individually tested for your application. Further details on request.

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

Male



Male



Product may differ from Image



\* only for products with UL/CSA approved cable

| Form                                      |  |
|---|--|
| Form                                      | 44711  |
| Technical Data                            |  |
| Operating voltage                         | max. 60 V DC   |
| Operating voltage (only UL listed)        | max. 30 V DC   |
| Rated surge voltage                       | 1.0 kV   |
| Operating current per contact             | max. 1.5 A (20 °C)   |
| Transfer parameters                       | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)                 |
| Transfer rate                             | up to 100 Mbit/s full duplex                                     |
| Material group                            | IEC 60664-1, category I  |
| Coding                                    | M12, D-coded   |
| Locking of ports                          | Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing |
| Compression gland                         | M12 (SW13)   |
| Protection                                | IP67 (M12) - IP20 (RJ45)   |
| Material                                  | PUR  |
| Locking material                          | Zinc die casting, matte nickel plated                            |
| suitable for corrugated tube (internal Ø) | without  |
| General data                              |  |
| Standards                                 | DIN EN 61076-2-101 (M12)   |
| Pollution Degree                          | 3  |
| Temperature range                         | -25...+85 °C, depending on cable quality                         |
| Cables                                    |  |
| Cable identification                      | 659  |
| Approval (cable)                          | UL (AWM-Style 20234/10988), CSA; CE                              |
| Cable weight [g/m]                        | 89,1 g   |
| Material (wire)                           | Cu wire, bare  |
| Resistor (core)                           | max. 55 Ω/km (20 °C)   |
| Diameter (core)                           | 1 × 4 × AWG22/7  |
| AWG                                       | similar to AWG 22  |
| Material (wire isolation)                 | PE   |
| Wire-Ø incl. isolation                    | 1.4 mm ±5%   |
| Color/numbering of wires                  | wh, ye, bl, or   |
| Shield                                    | yes  |
| optical shield cover                      | min. 85%   |
| Material (jacket)                         | PUR  |
| Outer-Ø (jacket)                          | 7.4 mm ±5%   |
| Color (jacket)                            | green  |
| chemical resistance                       | good resistance to oil, gasoline and chemicals                   |
| thermal resistance                        | flame retardant  |
| Nominal voltage                           | 600 V  |
| Temperature range (fixed)                 | -40...+80 °C   |
| Temperature range (mobile)                | -30...+70 °C   |
| Bend radius (fixed)                       | 5 × outer Ø  |
| Bend radius (moving)                      | 12 × 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. 2 m/s <sup>2</sup> |
|------------------------|-------------------------|

**Commercial data**

|                   |    |
|-------------------|----|
| country of origin | DE |
|-------------------|----|

|                       |          |
|-----------------------|----------|
| customs tariff number | 85444290 |
|-----------------------|----------|

|     |               |
|-----|---------------|
| EAN | 4048879677158 |
|-----|---------------|

|        |          |
|--------|----------|
| eClass | 27061801 |
|--------|----------|

|                |       |
|----------------|-------|
| Packaging unit | 1.000 |
|----------------|-------|