

**M12 male 90° D-cod. with cable shielded**

PUR 1x4xAWG22 shielded vt UL/CSA+drag ch. 10m

Ethernet CAT5

Male 90°

M12, 4-pole

D-coded

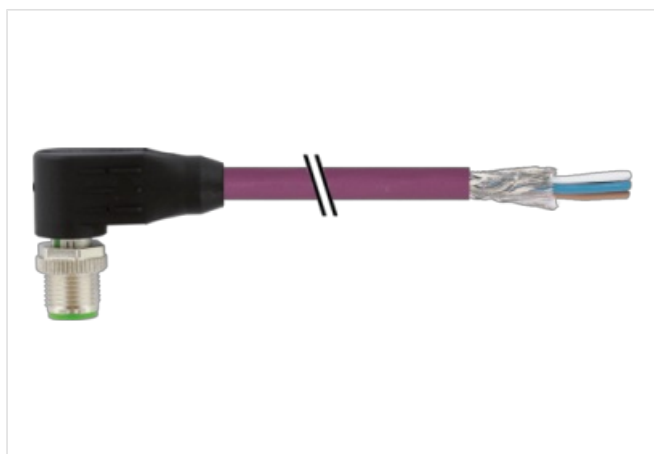
shielded

Transmission properties with channel transmission up to 100 m

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 do produto](#)****Ilustração**

Produto pode diferir da imagem



Cable length

10 m

|                                                          |                                                  |
|----------------------------------------------------------|--------------------------------------------------|
| <b>Side 1</b>                                            |                                                  |
| Tightening torque                                        | 0,6 Nm                                           |
| Mounting method                                          | inserted, screwed                                |
| Family construction form                                 | M12                                              |
| Thread                                                   | M12 x 1                                          |
| Coding                                                   | D                                                |
| Material                                                 | PUR                                              |
| Width across flats                                       | SW13                                             |
| Degree of protection (EN IEC 60529)                      | IP65, IP66K, IP67                                |
| <b>Side 2</b>                                            |                                                  |
| Stripping length (jacket)                                | 20 mm                                            |
| <b>Dados comerciais</b>                                  |                                                  |
| ECLASS-6.0                                               | 27061801                                         |
| ECLASS-6.1                                               | 27060307                                         |
| ECLASS-7.0                                               | 27060307                                         |
| ECLASS-8.0                                               | 27060307                                         |
| ECLASS-9.0                                               | 27060307                                         |
| ECLASS-10.1                                              | 27060307                                         |
| ECLASS-11.1                                              | 27060307                                         |
| ECLASS-12.0                                              | 27060307                                         |
| ETIM-5.0                                                 | EC002599                                         |
| Classificação fiscal                                     | 85444290                                         |
| GTIN                                                     | 4048879197236                                    |
| Quantidade por embalagem                                 | 1                                                |
| <b>Electrical data   Supply</b>                          |                                                  |
| Operating voltage DC max.                                | 60 V                                             |
| Current operating per contact max.                       | 1,5 A                                            |
| <b>Industrial communication</b>                          |                                                  |
| Transfer parameters                                      | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) |
| Data transmission rate max.                              | 100 MBit/s                                       |
| <b>Industrial communication   Ethernet functionality</b> |                                                  |
| duplex                                                   | Full duplex                                      |
| <b>Installation   Connection</b>                         |                                                  |
| Stripping length (jacket)                                | 20 mm                                            |
| Mounting set                                             | M12 x 1                                          |
| <b>Device protection   Electrical</b>                    |                                                  |
| Additional condition protection degree                   | inserted, screwed                                |
| Pollution Degree                                         | 3                                                |
| Rated surge voltage                                      | 1,5 kV                                           |
| Material group (IEC 60664-1)                             | I                                                |
| <b>Mechanical data</b>                                   |                                                  |
| Contour for corrugated hose                              | without                                          |
| <b>Mechanical data   Material data</b>                   |                                                  |
| Coating locking                                          | Nickeled                                         |
| Coating of fitting                                       | nickel plated                                    |
| Locking material                                         | Zinc die-casting                                 |
| Material screw connection                                | Zinc die-casting                                 |
| <b>Mechanical data   Mounting data</b>                   |                                                  |
| Mounting method                                          | inserted, screwed, Shaking protection            |
| <b>Environmental characteristics   Climatic</b>          |                                                  |

|                                        |                            |
|----------------------------------------|----------------------------|
| Operating temperature min.             | -25 °C                     |
| Operating temperature max.             | 85 °C                      |
| Additional condition temperature range | depending on cable quality |

#### Important installation notes

|                        |                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note on strain relief  | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.                                                   |
| Note on bending radius | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |

#### Conformity

|                  |                          |
|------------------|--------------------------|
| Product standard | DIN EN 61076-2-101 (M12) |
|------------------|--------------------------|

#### Installation | Cable

|                                                   |                                                                |
|---------------------------------------------------|----------------------------------------------------------------|
| Cable identification                              | 798                                                            |
| Jacket Color                                      | violet                                                         |
| Type of Certificate                               | cURus                                                          |
| Amount stranding                                  | 1                                                              |
| Stranding                                         | 4 wires around Core filler twisted                             |
| Cable shielding (type)                            | copper braid, tinned                                           |
| Cable shielding (coverage)                        | 85 %                                                           |
| Banding                                           | Fleece, Foil                                                   |
| Filler                                            | yes                                                            |
| wire arrangement                                  | white, yellow, blue, orange                                    |
| Traversing distance (C-track)                     | 5 m @ 25 °C                                                    |
| Cable weight                                      | 68,64 g/m                                                      |
| Material jacket                                   | PUR                                                            |
| Shore hardness jacket                             | 89 Shore A                                                     |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                           | 6,7 mm                                                         |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                          |
| Material inner jacket                             | FRNC                                                           |
| Color (inner jacket)                              | natur                                                          |
| Material wire insulation                          | PE                                                             |
| Amount wires                                      | 4                                                              |
| Outer diameter insulation                         | 1,4 mm                                                         |
| Outer diameter tolerance core insulation          | ± 5 %                                                          |
| Shore hardness wire insulation                    | 65 Shore D                                                     |
| Ingredient freeness wire insulation               | lead-free, CFC-free, halogen-free                              |
| Amount strands (wire)                             | 7                                                              |
| Diameter of single wires                          | 22 AWG                                                         |
| Conductor crosssection (wire)                     | 22 AWG                                                         |
| Material conductor wire                           | Stranded copper wire, bare                                     |
| Nominal voltage AC max.                           | 300 V                                                          |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                              |
| Current load capacity min. wire                   | 4,8 A                                                          |
| Characteristic impedance                          | 100 Ω ± 15 % @ 100 MHz                                         |
| Electrical resistance line constant wire          | 55 Ω/km @ 20 °C                                                |
| AC withstand voltage (wire - wire)                | 2 kV @ 60 s                                                    |
| Electrical capacity line constant (wire - wire)   | 50000 pF/km                                                    |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s                                                    |
| AC withstand voltage (wire - shield)              | 2 kV @ 60 s                                                    |
| Min. operating temperature (static)               | -40 °C                                                         |
| Max. operating temperature (fixed)                | 80 °C                                                          |
| Operating temperature min. (dynamic)              | -30 °C                                                         |
| Operating temperature max. (dynamic)              | 70 °C                                                          |
| Flame resistance                                  | IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2            |

As informações contidas nesta folha de dados foram elaboradas com o máximo cuidado.

A falta de integridade, exatidão e atualização das informações é considerada negligência grave. versão: 04/05/2024

|                          |                                                      |
|--------------------------|------------------------------------------------------|
| chemical resistance      | Good, application-related testing                    |
| Gasoline resistance      | Good, application-related testing                    |
| Oil resistance           | DIN EN 60811-404   Good, application-related testing |
| Bending radius (fixed)   | 5 x Outer diameter                                   |
| Bending radius (dynamic) | 12 x Outer diameter                                  |
| Travel speed (C-track)   | 3 Mio.                                               |
| No. of torsion cycles    | 1 Mio.                                               |
| Torsion stress           | ± 180 °/m                                            |