

**M12 female recept. Y-cod. shielded rear**

PUR AWG20/26 shielded gn UL/CSA+drag ch. 3m

Ethernet CAT5

Flange female

Good chemical and oil resistance (oil resistance does not apply to use with PVC cable)

M12, 8-pole

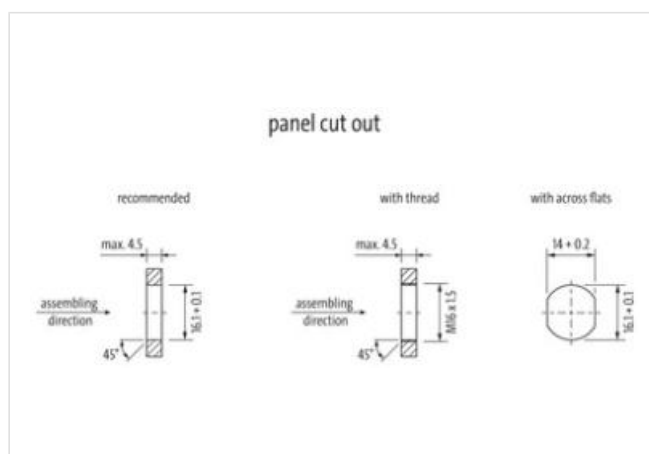
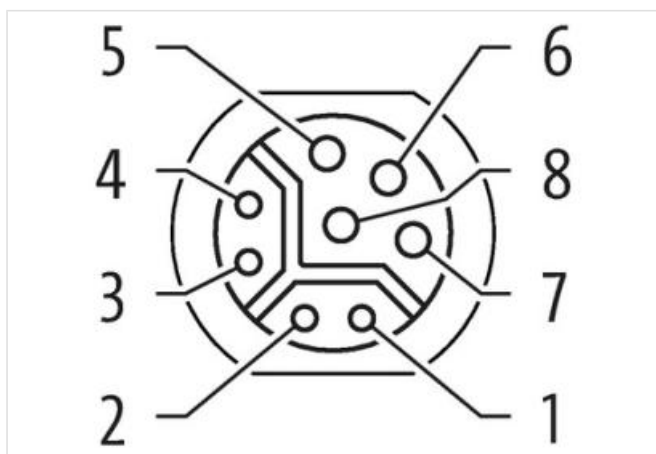
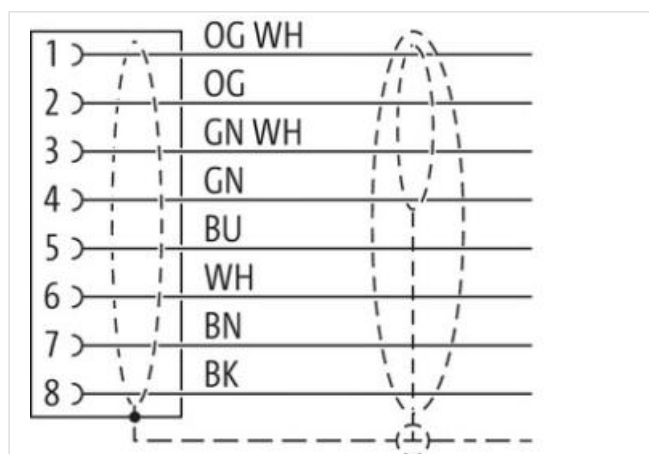
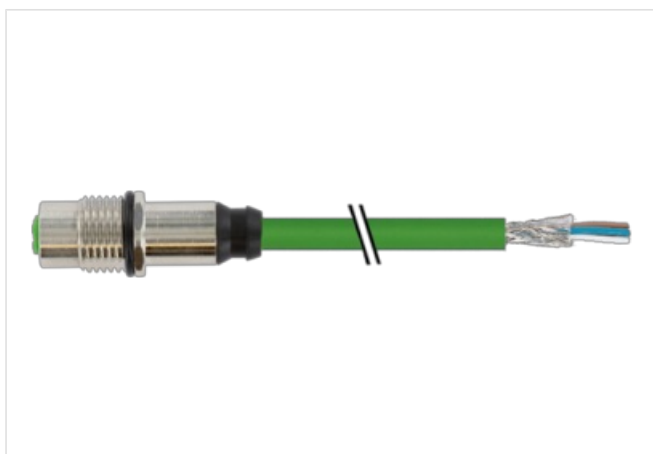
Y-coded

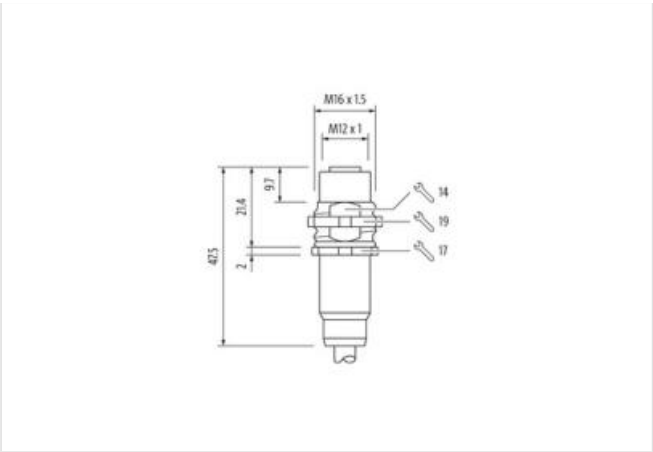
shielded

Transmission properties with channel transmission up to 50 m

Further cable lengths on request.

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

[Link a termékhez](#)**Ábrák**



Szimbolikus ábra



|                                          |                   |
|------------------------------------------|-------------------|
| Cable length                             | 3 m               |
| Side 1                                   |                   |
| Tightening torque                        | 0,6 Nm            |
| Mounting method                          | inserted, screwed |
| Coating head                             | nickel plated     |
| Family construction form                 | M12               |
| Thread                                   | M12 x 1           |
| Coding                                   | Y                 |
| Material                                 | Brass             |
| No. of poles                             | 8                 |
| Degree of protection (EN IEC 60529)      | IP67              |
| Commercial data                          |                   |
| ECLASS-6.0                               | 27279220          |
| ECLASS-6.1                               | 27279220          |
| ECLASS-7.0                               | 27440103          |
| ECLASS-8.0                               | 27440103          |
| ECLASS-9.0                               | 27440103          |
| ECLASS-10.1                              | 27440103          |
| ECLASS-11.1                              | 27440103          |
| ECLASS-12.0                              | 27440103          |
| ETIM-5.0                                 | EC001855          |
| customs tariff number                    | 85444290          |
| GTIN                                     | 4048879536417     |
| Packaging unit                           | 1                 |
| Electrical data   Supply                 |                   |
| Operating voltage AC max.                | 50 V              |
| Operating voltage DC max.                | 50 V              |
| Operating voltage AC (UL-listed)         | 30 V              |
| Operating voltage DC (UL-listed)         | 30 V              |
| Operating current per data contact max.  | 0,5 A             |
| Operating current per power contact max. | 6 A               |
| Industrial communication                 |                   |

|                                                          |                                                                                                                                                       |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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>                         |                                                                                                                                                       |
| Mounting set                                             | M16 x 1.5                                                                                                                                             |
| Width across flats                                       | SW19                                                                                                                                                  |
| <b>Device protection   Electrical</b>                    |                                                                                                                                                       |
| Protection NEMA                                          | 3, 4, 6P                                                                                                                                              |
| Additional condition protection degree                   | inserted, screwed                                                                                                                                     |
| Pollution Degree                                         | 3                                                                                                                                                     |
| Rated surge voltage                                      | 0,8 kV                                                                                                                                                |
| Material group (IEC 60664-1)                             | I                                                                                                                                                     |
| <b>Mechanical data   Material data</b>                   |                                                                                                                                                       |
| Coating housing                                          | nickel plated                                                                                                                                         |
| Coating locking                                          | nickel plated                                                                                                                                         |
| Coating of fitting                                       | nickel plated                                                                                                                                         |
| Locking material                                         | Brass                                                                                                                                                 |
| Material screw connection                                | Brass                                                                                                                                                 |
| <b>Mechanical data   Mounting data</b>                   |                                                                                                                                                       |
| Mounting method                                          | Schraubgewinde                                                                                                                                        |
| Looking techniques                                       | Schraubgewinde                                                                                                                                        |
| <b>Environmental characteristics   Climatic</b>          |                                                                                                                                                       |
| Operating temperature min.                               | -25 °C                                                                                                                                                |
| Operating temperature max.                               | 85 °C                                                                                                                                                 |
| Additional condition temperature range                   | depending on cable quality                                                                                                                            |
| <b>Important installation notes</b>                      |                                                                                                                                                       |
| 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. |
| <b>Approvals</b>                                         |                                                                                                                                                       |
| UL 50E                                                   | yes                                                                                                                                                   |
| <b>Installation   Cable</b>                              |                                                                                                                                                       |
| wire arrangement                                         | black, brown, white, blue, (orange-white, green, orange, green-white)                                                                                 |
| Cable identification                                     | 805                                                                                                                                                   |
| Jacket Color                                             | green                                                                                                                                                 |
| Type of Certificate                                      | cURus                                                                                                                                                 |
| Amount stranding                                         | 1                                                                                                                                                     |
| Stranding                                                | 4 wires around 1 Filler twisted                                                                                                                       |
| Amount stranding (type 2)                                | 1                                                                                                                                                     |
| Stranding (type 2)                                       | 4 wires around Stranding combination with Filler twisted                                                                                              |
| Cable shielding (type)                                   | copper braid, tinned                                                                                                                                  |
| Cable shielding (coverage)                               | 85 %                                                                                                                                                  |
| Pair shielding (type)                                    | copper braid, tinned                                                                                                                                  |
| Banding                                                  | Fleece, Foil                                                                                                                                          |
| Filler                                                   | yes                                                                                                                                                   |
| wire arrangement                                         | black, brown, white, blue, (orange-white, green, orange, green-white)                                                                                 |
| Cable weight                                             | 107,8 g/m                                                                                                                                             |
| Material jacket                                          | PUR                                                                                                                                                   |
| Shore hardness jacket                                    | 90 ± 5 Shore A                                                                                                                                        |

|                                                   |                                                                |
|---------------------------------------------------|----------------------------------------------------------------|
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                           | 8,1 mm                                                         |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                          |
| Material wire insulation                          | PP                                                             |
| Amount wires                                      | 4                                                              |
| Outer diameter insulation                         | 1,5 mm                                                         |
| Outer diameter tolerance core insulation          | ± 5 %                                                          |
| Shore hardness wire insulation                    | 55 ± 5 Shore D                                                 |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Amount strands (wire)                             | 19                                                             |
| Diameter of single wires                          | 20 AWG                                                         |
| Conductor crosssection (wire)                     | 20 AWG                                                         |
| Material conductor wire                           | Stranded copper wire, bare                                     |
| Material wire insulation (Data)                   | PP                                                             |
| Outer diameter wire insulation (Data)             | 1,1 mm                                                         |
| Tolerance outer diameter wire insulation (data)   | ± 5 %                                                          |
| Shore hardness wire insulation (Data)             | 55 ± 5 Shore D                                                 |
| Ingredient freeness wire insulation (Data)        | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Amount wires (Data)                               | 4                                                              |
| Amount strands wire (Data)                        | 19                                                             |
| Diameter of single wires (Data)                   | 26 AWG                                                         |
| Conductor crosssection wire (Data)                | 26 AWG                                                         |
| Material conductor wire (Data)                    | Stranded copper wire, bare                                     |
| Nominal voltage AC max.                           | 60 V                                                           |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                              |
| Current load capacity min. wire                   | 5,9 A                                                          |
| Current load capacity min. Wire (Data)            | 2 A                                                            |
| Characteristic impedance                          | 100 Ω ± 15 % @ 1 MHz                                           |
| Electrical resistance line constant wire          | 35 Ω/km                                                        |
| Electrical resistance coating wire (Data)         | 140 Ω/km                                                       |
| AC withstand voltage (wire - wire)                | 1 kV @ 60 s                                                    |
| Electrical capacity line constant (wire - wire)   | 52000 pF/km                                                    |
| Power frequency withstand voltage (wire - jacket) | 1 kV @ 60 s                                                    |
| AC withstand voltage (wire - shield)              | 1 kV @ 60 s                                                    |
| Isolation resistance                              | 5000 MΩ                                                        |
| Min. operating temperature (static)               | -50 °C                                                         |
| Max. operating temperature (fixed)                | 80 °C / 90 °C @ 10000 h Operation                              |
| Operating temperature min. (dynamic)              | -40 °C                                                         |
| Operating temperature max. (dynamic)              | 80 °C / 90 °C @ 10000 h Operation                              |
| Flame resistance                                  | UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090            |
| chemical resistance                               | Good, application-related testing                              |
| Gasoline resistance                               | Good, application-related testing                              |
| Oil resistance                                    | Good, application-related testing   DIN EN 60811-404           |
| Bending radius (installation)                     | x Outer diameter                                               |
| Bending radius (fixed)                            | 5 x Outer diameter                                             |
| Bending radius (dynamic)                          | 10 x Outer diameter                                            |
| No. of bending cycles (C-track)                   | 5 Mio.                                                         |
| Traversing distance (C-track)                     | 5 m                                                            |
| Travel speed (C-track)                            | 3,3 m/s                                                        |
| No. of torsion cycles                             | 2 Mio.                                                         |
| Torsion stress                                    | ± 30 °/m                                                       |
| Torsion speed                                     | 35 cycles/min                                                  |