

## M12 male recept. Y-cod. shielded rear

PUR AWG20/26 shielded bk UL/CSA+drag ch. 0.3m

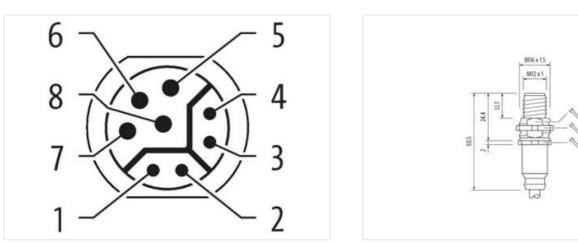
Ethernet CAT5 Flange male M12, 8-pole Y-coded shielded Further cable lengths on request. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product

Illustration



| 1        | OG WH | 1.51 |
|----------|-------|------|
|          | OG    |      |
|          | GN WH | /    |
|          | GN    |      |
|          | BU    |      |
|          | WH    |      |
|          | BN    |      |
|          | BK    |      |
| <u> </u> |       |      |



Product may differ from Image

| 0,3 m             |   |
|-------------------|---|
|                   |   |
| 0,6 Nm            |   |
| inserted, screwed |   |
| nickel plated     |   |
| M12               |   |
| M12 x 1           |   |
|                   | 0,6 Nm<br>inserted, screwed<br>nickel plated<br>M12 |

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| Coding  | Y   |
|---|---|
| Material  | Brass   |
| 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  | EC002061  |
| customs tariff number                           | 85444290  |
| GTIN  | 4048879669337   |
| Packaging unit                                  | 1   |
| Electrical data   Supply                        |   |
| Operating voltage DC max.                       | 30 V  |
| Operating current per data contact max.         | 0,5 A   |
| Operating current per power contact max.        | 6 A   |
| Industrial communication                        |   |
|   | ONTE Olass D. (ICO/IEO 11001-0000). (EN 50170-1)  |
| Transfer parameters Data transmission rate max. | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) 100 MBit/s   |
|   |   |
| Industrial communication   Ethernet func        |   |
| duplex  | Full duplex   |
| Installation   Connection                       |   |
| Mounting set                                    | M16 x 1.5   |
| Width across flats                              | SW19  |
| Device protection   Electrical                  |   |
| 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   |
| Mechanical data   Material data                 |   |
| Coating housing                                 | nickel plated   |
| Coating locking                                 | nickel plated   |
| Coating of fitting                              | nickel plated   |
| Locking material                                | Brass   |
| Material screw connection                       | Brass   |
| Mechanical data   Mounting data                 |   |
| Mounting method                                 | Schraubgewinde  |
| Looking techniques                              | Schraubgewinde  |
| Environmental characteristics   Climatic        |   |
| 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. |

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Note on bending radius

Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

| Approvals                                       |   |
|---|---|
| UL 50E  | yes   |
| Installation   Cable                            |   |
| Cable identification                            | 805   |
| Jacket Color                                    | black   |
| Type of Certificate                             | cURus   |
| Amount stranding                                | 1   |
| Stranding                                       | 4 wires around 1 Filler twisted                                       |
|   |   |
| Amount stranding (type 2)                       |   |
| 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) |
| Traversing distance (C-track)                   | 5 m   |
| Cable weigth                                    | 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   |
|   |   |

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| 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  |
| 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 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  |
| chemical resistance                               | Good, application-related testing                    |
| Gasoline resistance                               | Good, application-related testing                    |
| Oil resistance                                    | DIN EN 60811-404   Good, application-related testing |
| Bending radius (installation)                     | x Outer diameter                                     |
| Bending radius (fixed)                            | 5 x Outer diameter                                   |
| Bending radius (dynamic)                          | 10 x Outer diameter                                  |
| Travel speed (C-track)                            | 5 Mio.   |
| No. of torsion cycles                             | 2 Mio.   |
| Torsion stress                                    | ± 30 °/m   |
| Torsion speed                                     | 35 cycles/min  |

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