

M12 male recept. Y-cod. shielded rear

PUR AWG20/26 shielded bk UL/CSA+drag ch. 1m

Ethernet CAT5 Flange male M12, 8-pole Y-coded shielded

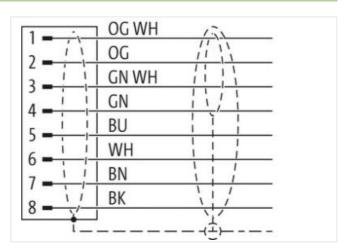
Further cable lengths on request.

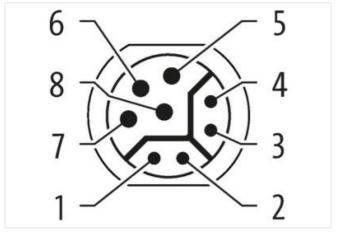
The resistance to aggressive media should be individually tested for your application. Further details on request.

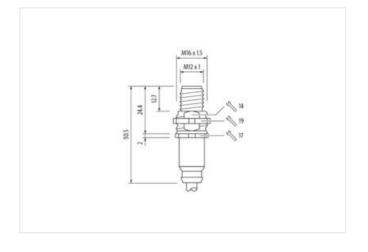
Link to Product

Illustration









Product may differ from Image

| Cable length | 1 m | |
|--------------------------|-------------------|--|
| Side 1 | | |
| Tightening torque | 0,6 Nm | |
| Mounting method | inserted, screwed | |
| Coating head | nickel plated | |
| Family construction form | M12 | |
| Thread | M12 x 1 | |

The information in this Product-PDF has been compiled with the utmost care.
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-04



| Material Priss Priss | Coding | Υ |
|--|--|---|
| Commercial data | Material | Brass |
| ECLASS-6.0 27279220 ECLASS-6.1 27279220 ECLASS-7.0 27440103 ECLASS-8.0 27440103 ECLASS-8.0 27440103 ECLASS-10.1 27440103 ECLASS-10.1 27440103 ECLASS-10.1 27440103 ECLASS-11.1 27440103 ECLASS-11.1 27440103 ECLASS-10.1 27440103 ECLASS-10.1 27440103 ECLASS-10.1 27440103 ETM-5.0 ECD01855 ECLASS-10.1 27440103 ETM-5.0 | Degree of protection (EN IEC 60529) | IP67 |
| ECLASS-6.1 2724220 ECLASS-7.0 27440103 ECLASS-8.0 27440103 ECLASS-9.0 27440103 ECLASS-1.1 27440103 ECLASS-1.2.0 27440103 ECLASS-1.2.0 27440103 ECHASS-1.2.0 17440103 ECHASS-1.2.0 17440103 EITM-5.0 ECO01855 customs sarff number 8544220 GTIN 404887562614 Packaging unit 1 Electrical datal Supply Operating outrent per power contact max. Operating outrent per power contact max. 0.5 A Undustrial communication 100 MBUs Inadataliation Communication 100 MBUs Installation Connection 100 MBUs Installation Connection 100 MBUs < | Commercial data | |
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| ECLASS-9.0 27440103 ECLASS-10.1 27440103 ECLASS-11.1 27440103 ECLASS-12.0 27440103 ECLASS-12.0 ECONBES customs tarfif rumber 85444290 GTIN 4048879552614 Packaging unt 1 Electrical data Supply Operating current per power contact max. 0.5 A Operating current per power contact max. 6 A Industrial communication Transfer parameters CATS. Class D (ISO/IEC 11801 2002), (EN 50173-1) Data transmission rate max. 100 MBit/s Industrial communication Ethernet functionality duplex Full duplex Protection Neward and condition protection degree Inserting served < | ECLASS-7.0 | 27440103 |
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| Important installation notes | · · · · | |
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| Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. | | |
| | Note of Stall relief | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |

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stay connected

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.

| | 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) | 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) |
| 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 Q/km |
| AC withstand voltage (wire - wire) | 1 kV @ 60 s |
| | 1 NY (W 00 3 |



| 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 |