

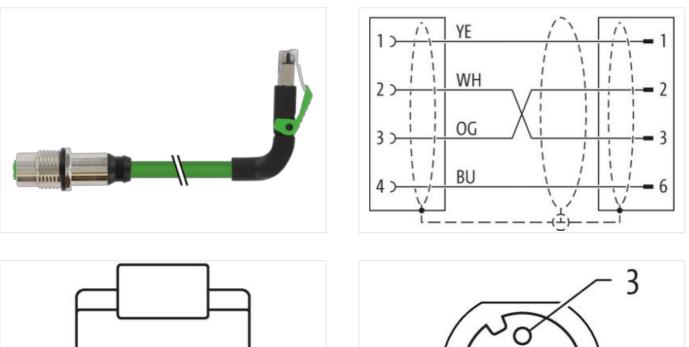
M12 fem. recept. D-cod. rear / RJ45 male 90° up

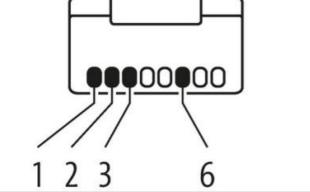
PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 0.75m

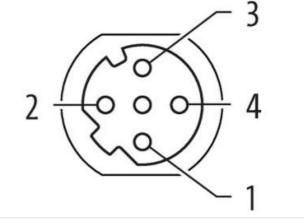
Product fulfills requirements according to UN/ECE R118 Ethernet CAT5 The resistance to aggressive media should be individually tested for your application. Further details on request. Flange female straight – male 90° on top M12 – RJ45, 4-pole D-coded shielded 8-pole partly used Rear mounting Further cable lengths on request. Plastic housings with good resistance against chemicals and oils.

Link to Product

Illustration







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Product may differ from Image



| Cable length | 0,75 m | |
|---|---------------|--|
| Side 1 | | |
| Tightening torque | 0,6 Nm | |
| Family construction form | M12 | |
| Thread | M12 x 1 | |
| suitable for corrugated tube (internal Ø) | 10 mm | |
| Coding | D | |
| Material | PUR | |
| Degree of protection (EN IEC 60529) | IP66K, IP67 | |
| Side 2 | | |
| Coating head | nickel plated | |
| Family construction form | RJ45 | |
| Material | Brass | |
| Degree of protection (EN IEC 60529) | IP20 | |
| Commercial data | | |
| ECLASS-6.0 | 27061801 | |
| 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 | 4048879875769 | |
| Packaging unit | 1 | |
| Electrical data Supply | | |
| Operating voltage DC max. | 60 V | |
| Current operating per contact max. | 1,5 A | |
| Industrial communication | | |

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| Transfer parameters | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) |
|---|--|
| Data transmission rate max. | 100 MBit/s |
| Industrial communication Ethernet function | tionality |
| duplex | Full duplex |
| Installation Connection | |
| | M16 x 1.5 |
| Mounting set Family construction form | M10 x 1.5 |
| Width across flats | SW19 |
| | 6W13 |
| Device protection Electrical | |
| Protection NEMA | 3, 4, 6P |
| Pollution Degree | 3 |
| Rated surge voltage | 1 kV |
| Material group (IEC 60664-1) | |
| Mechanical data Material data | |
| Locking material | PA |
| Mechanical data Mounting data | |
| Mounting method | inserted, screwed, Shaking protection |
| 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. |
| 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 |
| 02 302 | you |
| Installation Oshia | |
| Installation Cable | |
| Cable identification | 796 |
| Cable identification Jacket Color | green |
| Cable identification Jacket Color Type of Certificate | green cURus |
| Cable identification Jacket Color Type of Certificate Amount stranding | green cURus 1 |
| Cable identification Jacket Color Type of Certificate Amount stranding Stranding | green cURus 1 4 wires around Core filler twisted |
| Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) | green cURus 1 4 wires around Core filler twisted copper braid, tinned |
| Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) | green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % |
| Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding | green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil |
| Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler | green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes |
| Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement | green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange |
| Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth | green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 69,3 g/m |
| Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket | green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 69,3 g/m PUR |
| Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket | green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 69,3 g/m PUR 89 Shore A |
| Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) | green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 69,3 g/m PUR 89 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) | green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 69,3 g/m PUR 89 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,7 mm |
| Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler Wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) | green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 69,3 g/m PUR 89 Shore A lead-free, cadmium-free, CFC-free, halogen-free 6,7 mm ± 5 % |
| Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket | green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 69,3 g/m PUR 89 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,7 mm ± 5 % FRNC |
| Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Color (inner jacket) | green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 69,3 g/m PUR 89 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,7 mm ± 5 % FRNC natur |
| Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Color (inner jacket) Material wire insulation | green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 69,3 g/m PUR 89 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,7 mm ± 5 % FRNC natur PE |
| Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Color (inner jacket) Material wire insulation Amount wires | green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 69,3 g/m PUR 89 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,7 mm ± 5 % FRNC natur PE 4 |
| Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler Wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Color (inner jacket) Material wire insulation Amount wires Outer diameter insulation | green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 69,3 g/m PUR 89 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,7 mm ± 5 % FRNC natur PE 4 1,4 mm |
| Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Color (inner jacket) Material wire insulation Amount wires | green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 69,3 g/m PUR 89 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,7 mm ± 5 % FRNC natur PE 4 |

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| 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 |
| Traversing distance (C-track) | 5 m @ 25 °C |
| Travel speed (C-track) | 3 Mio. @ 25 °C |
| Travel speed (C-track) | 3,3 m/s @ 25 °C |
| 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 |
| Loop resistance | 5000 MΩ × km |
| Min. operating temperature (static) | -40 °C |
| Max. operating temperature (fixed) | 0° 08 |
| 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 |
| 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 |
| No. of torsion cycles | 1 Mio. 25 °C |
| Torsion stress | ± 180 °/m |

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