

M8 female 0° A-cod. / RJ45 male 0° shielded

PUR 1x4xAWG26 shielded gn UL/CSA+drag ch. 0.3m

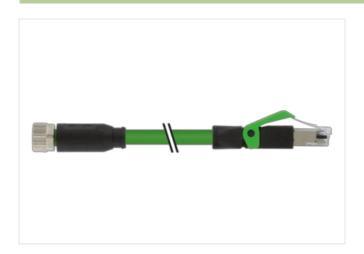
EtherCAT
Female straight – male straight
M8, 4-pole – RJ45, 8/4-pole
shielded
Further cable lengths on request.

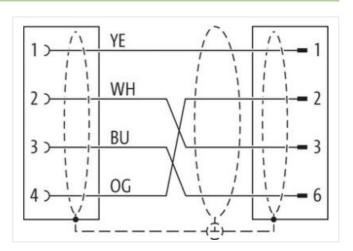
Plastic housings with good resistance against chemicals and oils.

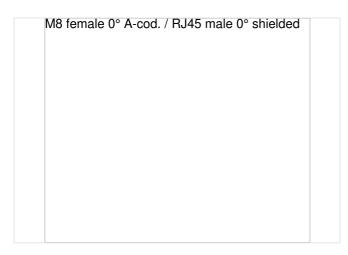
The resistance to aggressive media should be individually tested for your application. Further details on request.

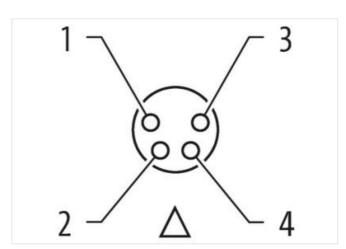
Link to Product

Illustration





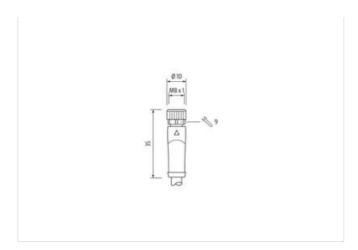






stay connected





Product may differ from Image





| Cable length | 0,3 m |
|---|--|
| Side 1 | |
| Tightening torque | 0,4 Nm |
| Family construction form | M8 |
| Thread | M8 x 1 |
| suitable for corrugated tube (internal Ø) | 6,5 mm |
| Width across flats | SW9 |
| Degree of protection (EN IEC 60529) | IP67 |
| Side 2 | |
| Family construction form | RJ45 |
| Degree of protection (EN IEC 60529) | IP20 |
| Commercial data | |
| 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 |
| customs tariff number | 85444290 |
| GTIN | 4048879478656 |
| Packaging unit | 1 |
| Electrical data Supply | |
| Operating voltage DC max. | 60 V |
| Operating voltage DC max. (UL-listed) | 30 V |
| Current operating per contact max. | 1,5 A |
| Industrial communication | |
| Transfer parameters | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) |
| Device protection Electrical | |
| | |



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| Material jacket PUR Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 4,9 mm Tolerance outer diameter (sheath) $\pm 5\%$ Material wire insulation PP Amount wires 4 Outer diameter insulation 1,04 mm Outer diameter tolerance core insulation $\pm 5\%$ Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 26 AWG Conductor crosssection (wire) 26 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2,4 A Characteristic impedance $100 \Omega \pm 15\% \otimes 100 \text{ MHz}$ Electrical resistance line constant wire $140 \Omega/km$ | wire arrangement | white, orange, blue, yellow |
| Material jacket PUR Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 4,9 mm Tolerance outer diameter (sheath) $\pm 5\%$ Material wire insulation PP Amount wires 4 Outer diameter insulation 1,04 mm Outer diameter tolerance core insulation $\pm 5\%$ Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 26 AWG Conductor crosssection (wire) 26 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2,4 A Characteristic impedance $100 \Omega \pm 15\% \otimes 100 \text{ MHz}$ Electrical resistance line constant wire $140 \Omega/km$ | Cable weigth | 59,4 g/m |
| Outer-diameter (jacket) 4,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,04 mm Outer diameter tolerance core insulation ± 5 % Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 26 AWG Conductor crosssection (wire) 26 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2,4 A Characteristic impedance 100 Ω ± 15 % @ 100 MHz Electrical resistance line constant wire 140 Ω/km | | |
| Tolerance outer diameter (sheath) $\pm 5\%$ Material wire insulation PP Amount wires 4 Outer diameter insulation 1,04 mm Outer diameter tolerance core insulation $\pm 5\%$ Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 26 AWG Conductor crosssection (wire) 26 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Characteristic impedance 100 $\Omega \pm 15\%$ @ 100 MHz Electrical resistance line constant wire 140 Ω /km | Freedom from ingredients (jacket) | lead-free, CFC-free, halogen-free |
| Material wire insulation PP Amount wires 4 Outer diameter insulation 1,04 mm Outer diameter tolerance core insulation ± 5 % Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 26 AWG Conductor crosssection (wire) 26 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2,4 A Characteristic impedance 100 Ω ± 15 % @ 100 MHz Electrical resistance line constant wire 140 Ω/km | Outer-diameter (jacket) | 4,9 mm |
| Amount wires 4 Outer diameter insulation 1,04 mm Outer diameter tolerance core insulation $\pm 5 \%$ Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 26 AWG Conductor crosssection (wire) 26 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2,4 A Characteristic impedance 100 $\Omega \pm 15 \%$ @ 100 MHz Electrical resistance line constant wire 140 Ω /km | Tolerance outer diameter (sheath) | ±5% |
| Outer diameter insulation $1,04 \text{ mm}$ Outer diameter tolerance core insulation $\pm 5 \%$ Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 26 AWG Conductor crosssection (wire) 26 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire $2,4 \text{ A}$ Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $140 \Omega / \text{km}$ | Material wire insulation | PP |
| Outer diameter insulation $1,04 \text{ mm}$ Outer diameter tolerance core insulation $\pm 5 \%$ Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 26 AWG Conductor crosssection (wire) 26 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire $2,4 \text{ A}$ Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $140 \Omega / \text{km}$ | Amount wires | 4 |
| Outer diameter tolerance core insulation $\pm 5\%$ Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 26 AWG Conductor crosssection (wire) 26 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2,4 A Characteristic impedance 100 $\Omega \pm 15\%$ @ 100 MHz Electrical resistance line constant wire 140 Ω /km | | |
| Amount strands (wire) 19 Diameter of single wires 26 AWG Conductor crosssection (wire) 26 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2,4 A Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $140 \Omega / \text{km}$ | Outer diameter tolerance core insulation | · · · · · · · · · · · · · · · · · · · |
| Amount strands (wire) 19 Diameter of single wires 26 AWG Conductor crosssection (wire) 26 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2,4 A Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $140 \Omega / \text{km}$ | Ingredient freeness wire insulation | lead-free, CFC-free, halogen-free |
| Diameter of single wires 26 AWG Conductor crosssection (wire) 26 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2,4 A Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $140 \Omega / \text{km}$ | | · |
| Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2,4 A Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $140 \Omega/\text{km}$ | Diameter of single wires | 26 AWG |
| Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2,4 A Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $140 \Omega/\text{km}$ | Conductor crosssection (wire) | 26 AWG |
| Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2,4 A Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $140 \Omega \text{/km}$ | Material conductor wire | copper stranded wire, tinned |
| Current load capacity min. wire 2,4 A Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $140 \Omega/\text{km}$ | Nominal voltage AC max. | 300 V |
| Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $140 \Omega/\text{km}$ | Current load capacity (standard) | to DIN VDE 0298-4 |
| Electrical resistance line constant wire $140 \Omega/km$ | Current load capacity min. wire | 2,4 A |
| | Characteristic impedance | 100 Ω ± 15 % @ 100 MHz |
| AC withstand voltage (wire - wire) 0,7 kV @ 60 s | Electrical resistance line constant wire | 140 Ω/km |
| | AC withstand voltage (wire - wire) | 0,7 kV @ 60 s |

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: 2024-05-18



| Electric capacitance | 51000 pF/km |
|---|--|
| Power frequency withstand voltage (wire - jacket) | 0,7 kV @ 60 s |
| AC withstand voltage (wire - shield) | 0,7 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 § 1100 FT2 UL 1581 § 1090 |
| 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) | 7,5 x Outer diameter |
| Bending radius (dynamic) | 12,5 x Outer diameter |
| Traversing distance (C-track) | 5 m |
| Travel speed (C-track) | 3 m/s |