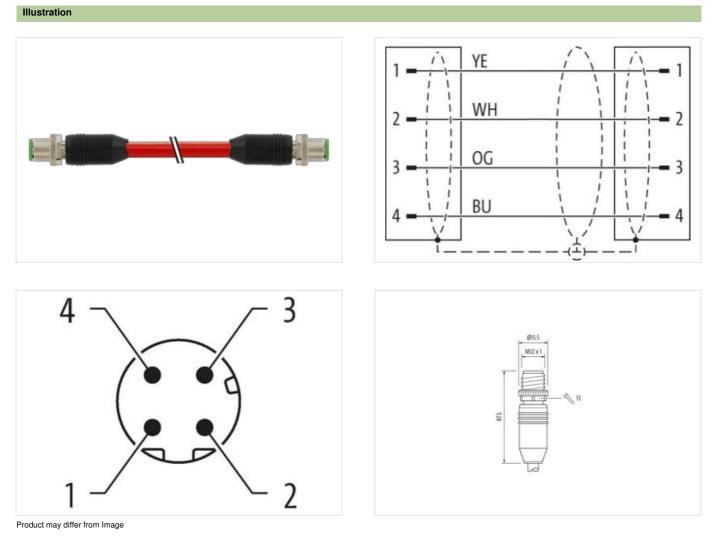


M12 male 0° / M12 male 0° D-cod. shielded

PUR 1x4xAWG22 shielded rd UL/CSA+drag ch. 3m

Ethernet CAT5e Transmission properties with channel transmission up to 100 m Male straight - male straight M12 - M12, 4-pole D-coded 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





Cable length

3 m

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| Tightenia0.6 NmMounting methodinstantd. screweidFanily construction formM12TinuadM72 x1Cable cultestraightConting0MethodPURNo. of poles4With across fultsSW13Orgero of protection (EN ECC 60529)IPOS. IPOS. IPOS.Polar1Mounting methodinstantd. screweidFarily construction formM12TinuadM2 x1CatherstraightMounting methodinstantd. screweidFarily construction formM12TinuadM2 x1CatherstraightConting0Metro failPURNo. of poles4With across fultsSW13CatherstraightMaterialPURNo. of poles4With across fultsSW13Dager of protection (EN EC 60529)POS (PGK, IPO7Cother27060307ECLASS-1027060307ECLASS-1027060307ECLASS-1027060307ECLASS-1027060307ECLASS-1027060307ECLASS-1027060307ECLASS-1027060307ECLASS-1027060307ECLASS-1027060307ECLASS-1027060307ECLASS-1027060307ECLASS-1027060307ECLASS-1027060307ECLASS-1027060307ECLASS-1027060307ECLASS-1027060307< | Side 1 | | |
|---|--|---|--|
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| Timed M2 x1 Cable outlet estagint Cable outlet estagint Cable outlet estagint Cable outlet PUR No. of poles 4 With morse lists SW13 Degree or protection (EN IEC 66529) IPB5, IPB6K, IP67 Side 2 Tiphening bronue 0.6 Nm Mauring method inserted, screwed Family construction form M12 Timed M12 x1 Cable outlet straight Cable outlet straight Cable outlet straight Cable outlet straight Cable outlet straight SW13 Degree of protection (EN IEC 66529) Degree of protection (EN IEC 66529) IP65, IP68K, IP67 Commercial data SW13 ECLASS 6.0 2706101 ECLASS 7.0 27000307 ECLASS 7.0 27000307 ECLASS 7.0 27000307 ECLASS 7.0 27000307 ECLASS 7.0 27000307 ECLASS 7.0 27000307 ECLASS 7.0 27000307 ECLASS 7.0 | | inserted, screwed | |
| Cable cullet straight Caching D Material PUR No. of poles 4 With across Bits SW13 Degree of protection (EN IEC 60529) IP65. IP66K, IP67 Side Z Test Second | Family construction form | M12 | |
| Coding D Material PUR No. of poles 4 With across fitts SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 T Tightening torque 0.6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Cable culled straight Coding D Material PUR No. of poles 4 With across fitts SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Commercial Gate ECLASS 4.0 ECLASS 4.0 27061801 ECLASS 4.1 27060307 ECLASS 4.1 27060307 ECLASS 4.0 27060307 ECL | Thread | M12 x 1 | |
| Material PUR No. of poles 4 With across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side | Cable outlet | straight | |
| Na. ci poles 4 Widh acros futa SW13 Degree of protection (EN IEC 60529) IPSE, IPSE, IPSE, IPSE Stice 2 Stice 2 Tightening torque 0.6 Nm Mounting method inserted, screwed Family construction form M12 Tinoad M12 x 1 Cable outid straigh Coding D Material PUR No. of pole 4 Widh across futa SW13 Dagree of protection (EN IEC 60529) IPSE, IP6K, IP67 Commercial data SW13 ECLASS 6.0 27061801 ECLASS 6.0 27061801 ECLASS 6.0 27060307 ECLASS 6.1 27060307 <tr< td=""><td>Coding</td><td>D</td></tr<> | Coding | D | |
| Width across flats SW13 Dagree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Tighening torque 0.6 Nm Mounting method inserted, served Family construction form M12 Thread M12 × 1 Cable outlet straight Coding D Material PUR No. of poles 4 Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Commercial data ECLASS 4.0 ECLASS 4.0 27061801 ECLASS 4.0 27060307 ECLASS 4.1 27060307 ECLASS 4.1 27060307 ECLASS 4.1.1 27060307 ECLASS 4.1.0 27060307 ECLASS 4.1.1 27060307 ECLASS 4.2.0 27060307 ECLASS 4.1.1 27060307 ECLASS 4.2.0 27060307 ECLASS 4.2.0 <td>Material</td> <td>PUR</td> | Material | PUR | |
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| Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Cable outlet straight Coding D Material PUR No. of poles 4 With across faits SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Commercial data ECLASS 4.0 ECLASS 5.0 27061801 ECLASS 7.0 27060307 ECLASS 7.0 EC002599 customs tariff number 85444200 GTIN 4048879406420 Packaging unit 1 Electical data Supply Current operating per contact max. Opating parameters CAT | Side 2 | | |
| Family construction form M12 Thread M12 x 1 Cable cultel straight Coding D Material PUR No. of poles 4 Width across flats SW13 Degree of protection (ENTEC 60529) IP65, IP66K, IP67 Commercial data ECLASS-6.0 ECLASS-6.0 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-10.1 27060307 ECLASS-12.0 27060307 Coltastrift number 8544290 GTIN 4048279406420 Packaging unit 1 Industrial com | Tightening torque | 0,6 Nm | |
| Thread M12 x 1 Cable outlet straight Cable outlet straight Cable outlet straight Coding D Material PUR No. of poles 4 Widh across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Commercial data ECLASS-6.0 ECLASS-7.0 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-1.1 27060307 ECLASS-1.0 27060307 ECLASS-1.0 27060307 ECLASS-1.0.1 27060307 ECLASS-1.0.2 27060307 ECLASS-1.0.1 27060307 ECLASS-1 | Mounting method | inserted, screwed | |
| Cable outlet. straight Coding D Material PUR No. of poles 4 Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Commercial dats E ECLASS-6.0 27060307 ECLASS-6.1 27060307 ECLASS-0.0 27060307 ECLASS-0.0 27060307 ECLASS-0.0 27060307 ECLASS-0.0 27060307 ECLASS-0.0 27060307 ECLASS-1.1 27060307 | Family construction form | M12 | |
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| No. of poles 4 Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Commercial data E ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-1.1 27060307 ECLASS-1.2 27060307 ECLASS-1.1 27060307 ECLASS-1.2 27060307 ECLASS-1.1 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879406420 Paakaging unit 1 Electrical data Supply 2706120 Operating voltage DC max. 60 V Current operating per contact max. 1,5 A Industrial communication 1 Tansfer parameters CATSe, Class D (ISO/IEC 11801:2002), (EN 50173·1) Data transmission rate max. 100 MBit/s | Coding | D | |
| Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Commercial data ECLASS 6.0 27061801 ECLASS 6.0 27060307 ECLASS 7.0 27060307 ECLASS 7.0 27060307 ECLASS 7.0 27060307 ECLASS 9.0 27060307 ECLASS 9.0 27060307 ECLASS 9.1.1 27060307 ECLASS 9.0 27060307 ECLASS 9.10 27060307 ECLASS 9.0 27060307 ECLASS 9.10 27060307 ECLASS 9.0 27061030 ETIM-S.0 ECO002599 cuastoms tariff number 85444290 GTIN 4048879406420 Packaging unit | Material | PUR | |
| Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Commercial data E ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879406420 Packaging unit 1 Electrical data Supply Operating voltage DC max. Operating voltage DC max. 60 V Current operating per contact max. 1,5 A Industrial communication Industrial communication Transfer parameters CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBit/s Industrial communication Eletrical Eletrical Co | No. of poles | 4 | |
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| ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879406420 Packaging unit 1 Electrical dtal Supply Operating voltage DC max. Operating voltage DC max. 60 V Current operating per contact max. 1,5 A Industrial communication Transfer parameters CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBit/s Industrial communication Ethernet functionality duplex Full duplex Device protection Electrical Degree of protection [Electrical Degree of protection degree inserted, screwed Pollution Degree 3 Rate surge voltage 1,5 kV | ECLASS-6.1 | 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 4048879406420 Packaging unit 1 Electrical data Supply Operating voltage DC max. Operating voltage DC max. 60 V Current operating per contact max. 1,5 A Industrial communication Transfer parameters CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBit/s Industrial communication Ethernet functionality duplex Full duplex Degree of protection Electrical Degree of protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 KV | ECLASS-7.0 | 27060307 | |
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| ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879406420 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Current operating per contact max. 1,5 A Industrial communication CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBit/s Industrial communication Ethernet functionality Current operation Device protection Etectrical Pull duplex Degree of protection (EN IEC 60529) IP65, IP67, IP66K Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 KV | ECLASS-11.1 | 27060307 | |
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| Packaging unit 1 Electrical data Supply 60 V Operating voltage DC max. 60 V Current operating per contact max. 1,5 A Industrial communication CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBit/s Industrial communication Ethernet functionality 100 MBit/s Data transmission rate max. 100 MBit/s Industrial communication Ethernet functionality 100 MBit/s Device protection Electrical Full duplex Degree of protection (EN IEC 60529) IP65, IP67, IP66K Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV | customs tariff number | 85444290 | |
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| Transfer parametersCAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1)Data transmission rate max.100 MBit/sIndustrial communication Ethernet functionalityduplexFull duplexDevice protection ElectricalDegree of protection (EN IEC 60529)IP65, IP67, IP66KAdditional condition protection degreeinserted, screwedPollution Degree3Rated surge voltage1,5 kV | | 1,5 A | |
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| Device protection Electrical Degree of protection (EN IEC 60529) IP65, IP67, IP66K Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV | | | |
| Degree of protection (EN IEC 60529)IP65, IP67, IP66KAdditional condition protection degreeinserted, screwedPollution Degree3Rated surge voltage1,5 kV | duplex | Full duplex | |
| Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV | Device protection Electrical | | |
| Pollution Degree 3 Rated surge voltage 1,5 kV | Degree of protection (EN IEC 60529) | IP65, IP67, IP66K | |
| Rated surge voltage 1,5 kV | Additional condition protection degree | inserted, screwed | |
| | Pollution Degree | 3 | |
| Material group (IEC 60664-1) I | Rated surge voltage | 1,5 kV | |
| | Material group (IEC 60664-1) | | |
| Mechanical data | | | |
| | | without | |
| Contour for corrugated hose without | Contour for corrugated hose | Without | |

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Mechanical data | Material data

| Mechanical data Material data | |
|--|---|
| Coating locking | Nickeled |
| Locking material | Zinc die-casting |
| Mechanical data Mounting data | |
| Nounting method | inserted, screwed, Shaking protection |
| Environmental characteristics Climatic | ·····,··· ··· |
| • | 05.00 |
| 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. |
| Conformity | |
| Product standard | DIN EN 61076-2-101 (M12) |
| Installation Cable | |
| Cable identification | 792 |
| Jacket Color | red |
| Type of Certificate | cURus |
| Amount stranding | 1 |
| Stranding | 4 wires around Core filler twisted |
| • | |
| Cable shielding (type) Cable shielding (coverage) | copper braid, tinned 85 % |
| | Fleece, Foil |
| 3anding Filler | |
| | yes |
| vire arrangement | white, yellow, blue, orange |
| Cable weigth Material jacket | 69,3 g/m PUR |
| • | |
| Shore hardness jacket | 89 Shore A |
| Freedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket) | 6,7 mm |
| Tolerance outer diameter (sheath) | ±5% |
| Material inner jacket | FRNC |
| Color (inner jacket) | natur |
| Material wire insulation | PE |
| Amount wires | 4 |
| Duter diameter insulation | 1,4 mm |
| Duter diameter tolerance core insulation | ±5% |
| Shore hardness wire insulation | 65 Shore D |
| ngredient 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 |
| Fraversing distance (C-track) | 5 m @ 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 |

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



| 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) | 80 °C |
| Operating temperature min. (dynamic) | -30 °C |
| Operating temperature max. (dynamic) | 70 °C |
| 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 (fixed) | 5 x Outer diameter |
| Bending radius (dynamic) | 12 x Outer diameter |
| Travel speed (C-track) | 3 Mio. |
| No. of torsion cycles | 1 Mio. |
| Torsion stress | ± 180 °/m |

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