

M12 male 90° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 0.5m

Ethernet CAT5 Male 90° M12, 4-pole D-coded shielded

Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

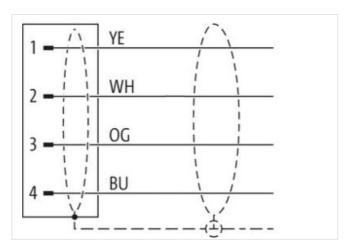
Plastic housings with good resistance against chemicals and oils.

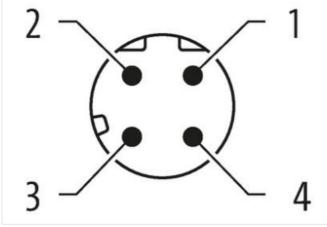
The resistance to aggressive media should be individually tested for your application. Further details on request.

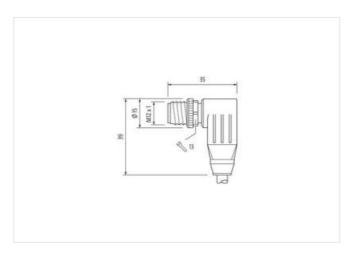
Link to Product

Illustration









Product may differ from Image











Cable length

0,5 m



stay connected

| | Side 1 | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------|
| Part | Tightening torque | 0,6 Nm |
| Process M12 x 1 | Mounting method | inserted, screwed |
| Description | Family construction form | M12 |
| Adaminal PUR Width across files SW13 SUR 2 Stripping Ingrift (dacket) 20 mm CCLASS 6.0 27061801 CCLASS 6.0 27064807 CCLASS 6.1 27064807 CCLASS 6.1 27064807 CCLASS 6.0 27064807 CCLASS 6.1 27064807 CCLASS 7.1 270 | Thread | M12 x 1 |
| Width across flats SW13 Segree of protection (EN IEC 60529) IPS6, IPS6K, IPS7 Site 2 Protection (EN IEC 60529) IPS6, IPS6K, IPS7 Site 2 Stripping longth (jacket) 20 mm Commercial data SCLASS-6.1 27069097 SCLASS-6.1 27069097 SCLASS-0.2 27069097 SCLASS-0.3 27069097 SCLASS-1.1 27069097 SCLASS-1.2 27069097 SCL | Coding | |
| Degree of protection (EN IEC 60528) IP65, IP68K, IP67 Side 2 Signify (apcht) (acket) 20 mm Commercial data CCLASS 6.0 27061801 CCLASS 6.1 27060307 CCLASS 7.0 27060307 CCLASS 8.0 27060307 CCLASS 9.0 27060307 CCLASS 10.1 27060307 CCLASS 11.1 27060307 CCLASS 11.1 27060307 CCLASS 12.0 27060307 CCLASS 11.1 27060307 ETIMS 0. EC002599 CCLASS 11.1 27060307 ETIMS 0. EC002599 CCLASS 12.0 27060307 ETIMS 0. EC002599 CCLASS 12.0 27060307 2 | Material | |
| Side 2 Commercial data Commercial data CCASS 8-0 27061801 CCASS 8-1 27060307 CCLASS 8-0 27060307 CCLASS 9.0 27060307 CCLASS 9.0 27060307 CCLASS 1.1.1 27060307 CCLASS 1.1.1 27060307 CCLASS 1.1.1 27060307 CCLASS 1.1.1 27060307 CCLASS 1.2.0 27060307 CCLASS 1.1.1 27 | | |
| Stripping length (lacked) 20 mm | Degree of protection (EN IEC 60529) | IP65, IP66K, IP67 |
| Commercial data CLASS-6.0 27061801 CLASS-7.0 27060307 CLASS-8.0 27060307 CLASS-8.0 27060307 CLASS-10.1 27060307 CLASS-11.1 27060307 CLASS-11.1 27060307 CLASS-11.1 27060307 CLASS-12.0 27060307 ETIM-5.0 EC002599 STIN 404897197335 Packaging unit 1 Electrical data Supply Porenting opting Der Contact max. 1,5 A Industrial communication For Assard Pragmanters CATS, Class D (ISO/IEC 11801-2002), (EN 50173-1) Data transmission rate max. Industrial communication Element functionality Luplex Installation Connection Full duplex Installation Connection M12 x 1 Device protection Electrical M12 x 1 Device protection Electrical M12 x 1 Medicinal confliction protection degree 3 Patal deal group (Electrical) M12 x 1 Mechanical data Machinerial data | Side 2 | |
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| ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 ECO02599 ususions tariff number 85444290 STIN 4048879197335 Tarakaging unit 1 Electrical data Supply Deparating voltage DC max. 60 V Deparating voltage DC max. 1,5 A Industrial communication Irransfer parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1) Data transmission rate max. 100 MBitrs Industrial communication Ethernet functionality August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1) Data transmission rate max. 100 MBitrs Industrial communication Ethernet functionality August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1) Data transmission rate max. 100 MBitrs Industrial communication Ethernet functionality August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1) Data transmission rate max. 100 MBitrs Industrial communication Ethernet functionality August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1) Data transmission rate max. 100 MBitrs Industrial communication Ethernet functionality August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1) Data transmission rate max. 100 MBitrs Industrial communication Ethernet functionality August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1) Data transmission rate max. 100 MBitrs Industrial communication Ethernet functionality August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1) Data transmission rate max. 100 MBitrs Data transmission rate m | Commercial data | |
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| ECLASS-1.1.1 27060307 ECLASS-1.2.0 27060307 ETIM-5.0 EC002599 sustoms tarff number 85444290 3TIN 4048879197335 Packaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Durrent operating per contact max. 1,5 A Industrial communication Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBil/s Industrial communication Ethernet functionality Upuplex Full duplex Full duplex Industrial communication Ethernet functionality Upuplex Full duplex Industrial communication Ethernet functionality Upuplex Full duplex Industrial communication Ethernet functionality Upuplex Full duplex Ethernet functionality Upuplex Full duplex Ethernet functionality | ECLASS-9.0 | 27060307 |
| ECLASS-12.0 27060307 ETIM-5.0 EC002599 sestorism striff number 85444290 3TIN 4048879197335 Packaging unit 1 Electrical data Supply Deperating voltage DC max. 60 V Deperating voltage DC max. 60 V Industrial communication Transfer parameters CAT5, Class D (ISO/IEC 11801-2002), (EN 50173-1) Data transmission rate max. 100 MBit/s Industrial communication Ethernet functionality Usual deploy July duplex Industrial communication Ethernet functionality Usual duplex Industrial communication Ethernet functionality Usual duplex Industrial communication Ethernet functionality Usual duplex | | |



stay connected

| 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 | 796 |
| Jacket Color | |
| Type of Certificate | cURus |
| Amount stranding | 1 |
| Stranding | 4 wires around Core filler twisted |
| Cable shielding (type) | copper braid, tinned |
| Cable shielding (coverage) | 85 % |
| Banding | Fleece, Foil |
| Filler | yes |
| wire arrangement | white, yellow, blue, orange |
| Traversing distance (C-track) | 5 m @ 25 °C |
| Travel speed (C-track) | 3 Mio. @ 25 °C |
| Cable weigth | 69,3 g/m |
| Fravel speed (C-track) | 3,3 m/s @ 25 °C |
| Material jacket | 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 |
| Outer diameter insulation | 1,4 mm |
| Outer 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 |
| _oop resistance | 5000 MΩ × km |
| 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 | $100~\Omega$ ± 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 |
| 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 § 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 |