

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

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 5m

Product fulfills requirements according to UN/ECE R118

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.

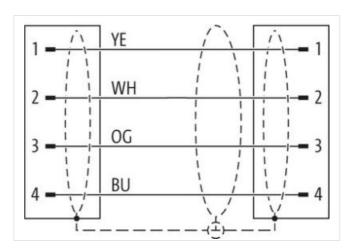
Plastic housings with good resistance against chemicals and oils.

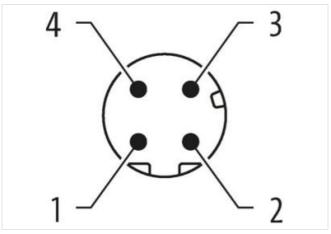
The resistance to aggressive media should be individually tested for your application. Further details on request.

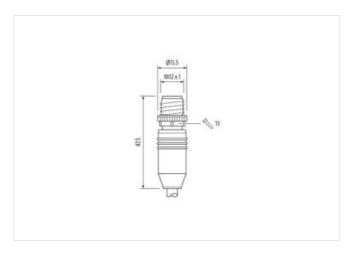
Link to Product

Illustration









Product may differ from Image













stay connected

Cable length	5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 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
Side 2	
Tightening torque	0.6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 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-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	4048879141307
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	1,971
Transfer parameters	CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication Ethernet fur	
•	•
duplex	Full duplex
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
Material group (IEC 60664-1)	I
Mechanical data	



stay connected

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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 $\Omega \pm 15$ % @ 100 MHz Electrical resistance line constant wire 55 Ω /km @ 20 °C Loop resistance 5000 M $\Omega \times$ km	Contour for corrugated hose	without
Locking material Zinc die-casting Mechanical data Mounting data inserted, screwed, Shaking protection Mounting method inserted, screwed, Shaking protection Operating temperature max. 25 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 4 Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tees. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tees. Product standard DN En 61076-2-101 (M12) Installation (Cable 2 Cable identification 798 Jacket Cobr green Type of Certificate cURBus Amount stranding 1 Stranding 4 wise around Core tillier twisted Cable eithelding (coverage) 85 °s Banding Pilece, Foil Filler yes Vestile shelding (coverage) 85 °s Banding Pilece, Foil Filler	Mechanical data Material data	
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Environmental characteristics Climatic Progresting temperature min. Qereating temperature max. Additional condition temperature may. Additional condition temperature may. Mote on strain relef Note on strain relef Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by accessive bending forces. Contomity Product standard DIN EN 61078-2-101 (M12) Installation [Cable Cable identification 796 Jacksic Cobr green Type of Certificate Anound stranding 1 Stranding 4 wires around Core filler twisted Cable shielding (coverage) 85 % Bandring Gable shielding (coverage) 85 % Bandring Filer yes wire arrangement Allow (applicable) Allow (applicable) Filer yes wire arrangement dalabolat (Day DIN En 1978) Allow (Bandring) Filer (PIR Malorial packet PUR Malorial packet PUR Malorial packet Filer 78 % Malorial packet Filer Anound stranding Filer yes wire arrangement (gacket) Gardiner (gac	Locking material	Zinc die-casting
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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 $\pm 5 \%$ Shore hardness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires $\pm 2 \%$ Conductor crosssection (wire) $\pm 2 \%$ Material conductor wire $\pm 3 \%$ Material conductor wire $\pm 3 \%$ Traversing distance (C-track) $\pm 3 \%$ Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire $\pm 4 \%$ Characteristic impedance $\pm 100 \%$ Electrical resistance line constant wire $\pm 5 \%$ /km @ 20 °C Loop resistance $\pm 5 \%$		
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Material wire insulationPEAmount wires4Outer diameter insulation1,4 mmOuter diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation65 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareTraversing distance (C-track)5 m @ 25 °CCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega / \text{km} @ 20 ° \text{C}$ Loop resistance $5000 \text{ M}\Omega \times \text{km}$		
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Shore hardness wire insulation65 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareTraversing distance (C-track)5 m @ 25 °CCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega/\text{km} @ 20 °C$ Loop resistance $5000 M\Omega \times \text{km}$	Outer diameter insulation	1,4 mm
Ingredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareTraversing distance (C-track)5 m @ 25 °CCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega/\text{km} @ 20 °C$ Loop resistance $5000 M\Omega \times \text{km}$	Outer diameter tolerance core insulation	±5%
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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 $\Omega \pm 15$ % @ 100 MHz Electrical resistance line constant wire 55 Ω /km @ 20 °C Loop resistance 5000 M $\Omega \times$ km	Shore hardness wire insulation	65 Shore D
Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareTraversing distance (C-track) $5 \text{ m} @ 25 °C$ Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire $4,8 \text{ A}$ Characteristic impedance $100 \Omega \pm 15 % @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega/\text{km} @ 20 °C$ Loop resistance $5000 \text{ M}\Omega \times \text{km}$	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Traversing distance (C-track) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega/\text{km} @ 20 °C$ Loop resistance $5000 \text{ M}\Omega \times \text{km}$	Amount strands (wire)	7
Material conductor wireStranded copper wire, bareTraversing distance (C-track)5 m @ 25 °CCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega/\text{km} @ 20 °C$ Loop resistance $5000 \text{ M}\Omega \times \text{km}$	Diameter of single wires	22 AWG
Traversing distance (C-track) $5 \text{ m} @ 25 \text{ °C}$ Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire $4,8 \text{ A}$ Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega/\text{km} @ 20 \text{ °C}$ Loop resistance $5000 \text{ M}\Omega \times \text{km}$	Conductor crosssection (wire)	22 AWG
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega/\text{km} @ 20 \degree\text{C}$ Loop resistance $5000 \ \text{M}\Omega \times \text{km}$	Material conductor wire	Stranded copper wire, bare
Current load capacity min. wire $4,8 \text{ A}$ Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega/\text{km} @ 20 \degree\text{C}$ Loop resistance $5000 \text{ M}\Omega \times \text{km}$	Traversing distance (C-track)	5 m @ 25 °C
Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega/\text{km} @ 20 °\text{C}$ Loop resistance $5000 \text{ M}Ω \times \text{km}$	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire $55 \Omega/\text{km} @ 20 \degree \text{C}$ Loop resistance $5000 \text{ M}\Omega \times \text{km}$	Current load capacity min. wire	4,8 A
Loop resistance $5000 \text{ M}\Omega \times \text{km}$	Characteristic impedance	100 Ω ± 15 % @ 100 MHz
·	Electrical resistance line constant wire	55 Ω/km @ 20 °C
Nominal voltage power AC max. 300 V	•	5000 MΩ × km
	Nominal voltage power AC max.	300 V



Electrical capacity line constant (wire - wire) (power)	50000 pF/km
AC withstand voltage power (wire - shield)	2 kV @ 60 s
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	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
No. of bending cycles (C-track)	3 Mio. @ 25 °C
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