

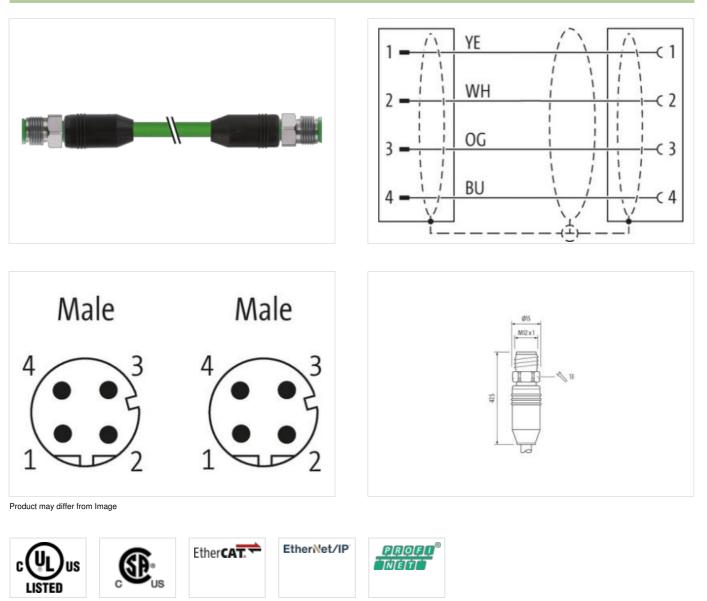
## M12 male 0° / M12 male 0° D-cod. shielded V2A

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 0.2m

Product fulfills requirements according to UN/ECE R118 Ethernet CAT5 M12 - M12, 4-pole Male straight - male straight D-coded shielded Stainless steel 1.4305 (V2A) 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. Further cable lengths on request.

## Link to Product

Illustration



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: 2024-05-20



Site 1Tiplening lorguin0.6 kmCaling contaitup/d plutoCaling contaitup/d plutoTreadM2 × 1Caling contaitQ open allayTreadCapper allayNo. of polis4Caling contaitSW 13Stati a contaitSW 13Stati a contaitSW 13Stati a contaitG open allayNo. of polisSW 13Stati a contaitG open allayWith across faitaG open allayStati a contaitG open allayMaring mathodinserted, screwedCaling contaitG open allayThereadM2 × 1Canadi contaitG open allayMaterial contaitG open allayMaring mathodM4 × 1ContaitG open allayMaterial contaitG open allayMaterial contaitG open allayContaitG open allay </th <th>Cable length</th> <th>0,2 m</th>	Cable length	0,2 m
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Cataling contact.     pold plated       Family construction form     M12       Thread     M12 × 1       Coding     D       Material contact.     Copper alloy       No. of polos     4       Width across flats     SW13       Side 2     T       Tightening torque     0.8 Mm       Mausting mathed     isserted.screwed       Coding contact.     qoid plated       Family construction form     M12       Thread     M12.1       Coding contact     qoid plated       Family construction form     M12.1       Coding contact     Qoid plated       Family construction form     M12.1       Coding contact     Copper alloy       Ne. of poles     4       Commercial data     Copper alloy       ECLASS 6.1     27060307       ECLASS 7.0     27060307       ECLASS 8.0     27060307       ECLASS 8.1.1     27060307       ECLASS 8.1.2     27060307       ECLASS 8.1.1     27060307       ECLASS 8.1.1     27060307 <td></td> <td>·</td>		·
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Material contact     Capper allay       No. of poles     4       With across fills     SW13       Side 2        Tapfatning locque     0.8 Nm       Mourling method     insarbed. screwed       Coaling contact     opid plaked       Family construction form     M12       Thread     M12 × 1       Coding     D       Material contact     Copper allay       No. of poles     4       Commercial dat     Copper allay       ECLASS 6.0     27060307       ECLASS 7.0     27060307       ECLASS 6.1     27060307       ECLASS 6.0     27060307       ECLASS 7.0		
No. of poles     4       Work across fats     SW13       Side 2     Tightening lorque     0.6 Nm       Mounting method     inserted, screwed       Cashing constant     opd plandd       Family construction form     M12       Trivead     M12 × 1       Cashing constant     Opd plandd       Material constant     Cooper alloy       No. of poles     4       Commercial data     Cooper alloy       ECLASS 6.0     27060307       ECLASS 7.0     27060307       ECLASS 8.0     27060307       ECLASS 8.0     27060307       ECLASS 8.0     27060307       ECLASS 8.1     27060307       ECLASS 9.1     27060307       ECLASS 9.1     27060307       ECLASS 9.1     27060307       ECLASS 9.1     27060307 <td></td> <td></td>		
Width across flats     SW13       Side 2		
Side 2     Uptherming lorroyue     0.6 Nm       Mounting method     inserted, screwed     coloring       Gealing contact     gid plated     plated       Family construction form     M12     manual construction form     M12       Tread     M12 x 1     Coding     Coding     Coding     Commercial contact     Copper alloy     Commercial contact     Copper alloy     Commercial contact     Copper alloy     Coding     Commercial contact     Copper alloy     Contact Contact     Copper alloy     Contact Cont		
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Mounting method     inserted, screwed       Coating contact     gold plated       Coating contact of mm     M12       Thread     M12 × 1       Coding     D       Material contact     Coopper alloy       No. of poles     4       Commercial data     Coopper alloy       ECLASS-6.0     27061307       ECLASS-6.1     27060307       ECLASS-6.0     27060307       ECLASS-6.0     27060307       ECLASS-6.0     27060307       ECLASS-6.0     27060307       ECLASS-1.1     27060307       ETM-5.0     EC002599       coutsons tarif number     8544290       GTN     4048879111876       Packagn unit		
Coaling contact     gold plated       Family construction form     M12       Thread     M12 x 1       Coding     D       Material contact     Copper alloy       No. of poles     4       Commercial data     ECLASS 4.0       ECLASS 4.0     27061801       ECLASS 4.1     27060307       ECLASS 4.0     27060307       ECLASS 4.0     27060307       ECLASS 4.0     27060307       ECLASS 5.1.0     27060307       ECLASS 5.1.1     27060307       ECLASS 5.1.1     27060307       ECLASS 5.1.1     27060307       ECLASS 5.1.2.0     27060307       ECLASS 5.1.2.0     27060307       ECLASS 5.1.1     27060307       ECLASS 5.1.2.0     27060307		
Family construction form     M12       Thread     M12 × 1       Coding     D       Material contact     Capper alley       No. of poles     4       Commercial data     27061901       ECLASS-6.0     27060307       ECLASS-6.1     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-8.1.1     27060307       ECLASS-8.2.2     27060307       ECLASS-8.1.1     27060307       ECLASS-8.2.0     27060307       ECLASS-8.1.1     27060307       ECLASS-8.1.3     27060307       ECLASS-8.1.1     27060307       ECLASS.1.1.1		
Thread     M12 x 1       Coding     D       Material contact     Copper alloy       No. of poles     4       Commercial data     E       ECLASS 5.0     27061801       ECLASS 5.1     27060307       ECLASS 5.0     27060307       ECLASS 5.1.1     27060307       ECLASS 5.2.0     27060307       ECLASS 5.1.1     27060307       ECLASS 5.2.0     27060		
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Material contact     Copper alloy       No. di poles     4       Commercial data		
No. of poles     4       Commercial data     E       ECLASS 6.0     27061801       ECLASS 7.0     27060307       ECLASS 7.0     27060307       ECLASS 8.0     27060307       ECLASS 7.0     ECO02599       customs tariff number     8544290       GTIN     4048879111676       Packaging unit     1       Electrical data [Supply     Correct operating voltage DC max.       Operating voltage DC max.     60 V       Operating voltage DC max.     40 V       Industrial communication     Tarafer parameters       CATS, Class D (ISO/IEC 11801-2002), (EN 50173-1)     Data transmission rate max.       Ibitansmidication LED     no		
Commercial data       ECLASS-6.0     27061801       ECLASS-6.1     27060307       ECLASS-6.1     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-9.0     27060307       ECLASS-10.1     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       ECLASS-12.0     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-11.1     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-11.1     27060307       ECLASS-11.1     27060307       ECLASS-11.1     27060307       ECLASS-11.1     27060307       ECLASS-11.1     27060307       ECLASS-11.1     27060307       Ectass Lay Indition All All Supply     0.0       Operating voltage DC max.		
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ECLASS-6.1     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-9.0     27060307       ECLASS-9.0     27060307       ECLASS-10.1     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-11.1     1       Electrical dat   Supply     30 V       Current operating voltage DC max.     60 V       Operating v	Commercial data	
ECLASS-7.0     27660307       ECLASS-8.0     27660307       ECLASS-9.0     27660307       ECLASS-10.1     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ETIM-5.0     EC002599       customs taff number     8544290       GTIN     4048879111676       Packaging unit     1       Etertical data   Supply	ECLASS-6.0	27061801
ECLASS-8.0     27060307       ECLASS-9.0     27060307       ECLASS-10.1     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ETIM-5.0     EC002599       customs tariff number     85444290       GTIN     4048379111676       Packaging unit     1       Etetrical data   Supply        Operating voltage DC max.     60 V       Degreating voltage DC max.     100 MBit/s       Data transmission rate max.     100 MBit/s       Diatorsetter     100 MBit/s       Degree of protecti	ECLASS-6.1	27060307
ECLASS-9.0     27060307       ECLASS-10.1     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECMASS-12.0     27060307       ECMASS-12.0     27060307       ECMASS-12.0     27060307       ECMASS-12.0     27060307       CLASS-12.0     27060307       ECMASS-12.0     27060307       CLASS-12.0     27060307       CLASS-12.0     27060307       CLASS-12.0     27060307       Customs tariff number     85444290       GTIN     4048879111676       Packaging unit     1       Electrical data   Supply     Communication       Current operating per contact max.     60 V       Operating voltage DC max.     (00 VBit/s       Diagnostics     CAT5, Class D (ISO/IEC 11801-2002), (EN 50173-1)       Data transmission rate max.     100 MBit/s       Degree of protection   Electrical     Degree of pr	ECLASS-7.0	27060307
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ECLASS-11.1     27060307       ECLASS-12.0     27060307       ETIM-5.0     EC002599       customs tariff number     85444290       GTIN     4048879111676       Packaging unit     1       Electrical data   Supply     0       Operating voltage DC max.     60 V       Operating voltage DC max.     60 V       Operating voltage DC max.     60 V       Operating voltage DC max.     4 A       Industrial communication     1       Transfer parameters     CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)       Data transmission rate max.     100 MBit/s       Diagnostics     1       Status indication LED     no       Degree of protection [Electrical     1       Degree of protection Gergee     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 6064-1)     1       Mechanical data     Contour for corrugated hose	ECLASS-9.0	27060307
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Packaging unit   1     Electrical data   Supply   0     Operating voltage DC max.   60 V     Operating voltage DC max. (UL-listed)   30 V     Current operating per contact max.   4 A     Industrial communication   Industrial communication     Transfer parameters   CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)     Data transmission rate max.   100 MBit/s     Diagnostics   100 MBit/s     Status indication LED   no     Degree of protection [Electrical   1067     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Mechanical data   Correwed     Convertion for corrugated hose   without	customs tariff number	85444290
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Mechanical data   Contour for corrugated hose without		1,5 kV
Mechanical data   Contour for corrugated hose without	Material group (IEC 60664-1)	
Contour for corrugated hose without	Mechanical data	
-		without
	-	

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: 2024-05-20



Material housing	PUR
Locking material	Stainless steel 1.4305 (V2A)
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
	inserted, sciewed, onaking 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.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
wire arrangement	white, yellow, blue, orange
Cable identification Jacket Color	796
Type of Certificate	green cURus
Amount stranding	
Stranding	4 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	
wire arrangement	yes white, yellow, blue, orange
Cable weigth	69,3 g/m
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
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
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

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Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Isolation 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	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 bending cycles (C-track)	3 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio. 25 °C
Torsion stress	± 180 °/m

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