

## M12 male 90° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA 32m

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

Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

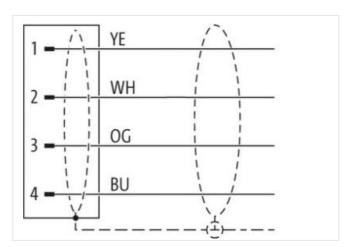
Plastic housings with good resistance against chemicals and oils.

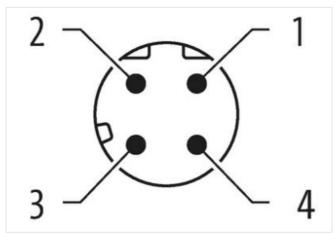
The resistance to aggressive media should be individually tested for your application. Further details on request.

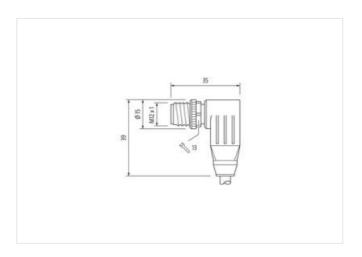
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

32 m



stay connected

Marring method   mentod, serwed	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  COMMENCIAL SECTION (SW18)  SUR 2  SUR 3  COLASS 6.0 27061801  COLASS 6.1 27063907  COLASS 6.1 27063907  COLASS 6.1 27063907  COLASS 6.0 27063907  COLASS 6.0 27063907  COLASS 6.1 2 27063907  COLASS 6.2 27063907  COLASS 6.1 2 27063907  COLASS 7.1 2 27063907  COLASS 7.1 2 2	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-8.0         27069097           SCLASS-10.1         27069097           SCLASS-11.1         27069097           SCLASS-12.0         270790997 <th< td=""><td>Coding</td><td></td></th<>	Coding	
Degree of protection (EN IEC 60528)         IP65, IP68K, IP67           Side 2         Signify (apcht) (acket)         20 mm           Commercial data           CCLASS 6.0         27061801           CCLASS 7.0         27060307           CCLASS 7.0         27060307           CCLASS 7.0         27060307           CCLASS 7.0         27060307           CCLASS 1.1         27060307           CCLASS 1.1.1         27060307           CCLASS 1.1.1         27060307           CCLASS 1.1.1         27060307           ETIMS 0.         EC002599           Usuations staff number         8544290           3TIN         4048079493973           2007 Trime of paramage por contact max.         1           1 Electrical data   Supply           Operating voltage DC max.         60 V           Durrent operating per contact max.         1.5 A           Industrial communication         1           Transfer parameters         CATS, Class D ((80*IEC 11801 2002), (EN 50173-1)           Data transmission rate max.         10 MB/s           Industrial communication   Ethernet trunctional transmission rate max.         10 MB/s           Industrial communication   Exercise   MB/s         10 MB/s	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         404897493073           Packaging unit         1           Electrical data   Supply           Durrent operating per contact max.         1,5 A           Industrial communication         For Assard (Assard (A	Side 2	
CLASS-6.0   27061801   27060307   CLASS-8.0   27060307   CCLASS-9.0   27060307   CCLASS-9.0   27060307   CCLASS-9.0   27060307   CCLASS-9.0   27060307   CCLASS-9.0   27060307   CCLASS-10.1   27060307   CCLASS-11.1   27060307   CCLASS-11.1   27060307   CCLASS-12.0	Stripping length (jacket)	20 mm
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 27060307  ECLASS-12.0 27060307  ECLASS-13.0 ECO02599  usustoms tariff number 85444290  STIN 4048879439673  Tarakaging unit 1  Electrical data   Supply  Deparating voltage DC max. 60 V  Deparating voltage DC max. 60 V  Deparating voltage DC max. 1,5 A  Industrial communication  Transfer parameters CAT5, Class D (ISC/IEC 118012002), (EN 50173-1)  Data transmission rate max. 100 MBits  Industrial communication   Ethernet functionality  Audit place Full duplex  Industrial communication   Ethernet functionality  Deparating voltage DC max. 100 MBits  Industrial communication   Ethernet functionality  Deparating voltage MBits   MBits    Industrial communication   Ethernet functionality  Deparating voltage   MBits    Industrial communication   MBits    Industrial communication   MIT x 1  Industrial communication   MBits    Indust	Commercial data	
CLASS-7.0   27060307   CLASS-8.0   27060307   CLASS-8.0   27060307   CLASS-9.0   27060307   CLASS-10.1   27060307   CLASS-11.1   27060307   CLASS-12.0   27080307   CLASS-12.0   27080307   CLASS-12.0   27080307   CLASS-12.0   27080307   CLASS-12.0   27080307   CLASS-12.0   CLAS	ECLASS-6.0	27061801
CLASS-8.0   27060307   270603007   2706030	ECLASS-6.1	27060307
CLASS-9.0   27060307	ECLASS-7.0	27060307
ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599  ustorns tarff number 85444290 STIN 404887943673 Packaging unit 1  Electrical data   Supply  Deparating voltage DC max. 60 V  Jurrent operating per contact max. 1,5 A  Industrial communication  Irransfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  Upplex Full duplex  Installation   Connection  Stripping length (jacket) 20 mm  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3 3  Palated surge voltage 1,5 kV  Adaterial group (IEC 60664-1) 1  Mechanical data   Material data  Contour for corrugated hose without to without mechanical data   Material data   Material screw connection   Zinc die-casting  Mechanical data   Material data   Mounting data   Mounting method inserted, screwed, Shaking protection    Mechanical data   Mounting data   Mounting data   Mounting method inserted, screwed, Shaking protection    Mechanical data   Mounting data   Mounting data   Mounting method inserted, Screwed, Shaking protection    Mechanical data   Mounting data   Mounting data   Mounting method inserted, Screwed, Shaking protection   Mechanical data   Mounting data   Mounting method inserted, Screwed, Shaking protection   Mounting method   Mounting	ECLASS-8.0	27060307
ECLASS-1.1.1         27060307           ECLASS-1.2.0         27060307           ETIM-5.0         EC002599           sustoms tarff number         85444290           3TIN         4048879493673           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           Stripping length (jacket)         20 mm           Additional condition protection degree         3           Strippin	ECLASS-9.0	27060307
ECLASS-12.0         27060307           ETIM-5.0         EC002599           sestorism striff number         85444290           3TIN         4048879493673           Packaging unit         1           Electrical data   Supply           Deparating voltage DC max.         60 V           Deparating 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
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
	5114 E14 01070 E 101 (NITE)
Installation   Cable	
Cable identification	794
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	white, yellow, blue, orange
Cable weight	75,87 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)	white
Material wire insulation	PE .
Amount wires	4
Outer diameter insulation	1,55 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
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Characteristic impedance	100 Ω ± 15 %
Electrical resistance line constant wire	55 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Electrical capacity line constant (wire - wire) (power)	52000 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	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	6 x Outer diameter

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Bending radius (dynamic)

12 x Outer diameter