

## M12 male 0° Y-cod. with cable shielded

PUR AWG20/26 shielded gn UL/CSA+drag ch. 0.3m

**Ethernet CAT5** Male straight M12, 8-pole Y-coded shielded

Further cable lengths on request.

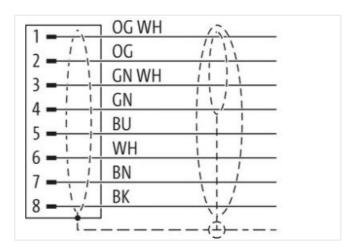
Plastic housings with good resistance against chemicals and oils.

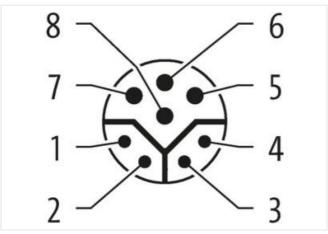
The resistance to aggressive media should be individually tested for your application. Further details on request.

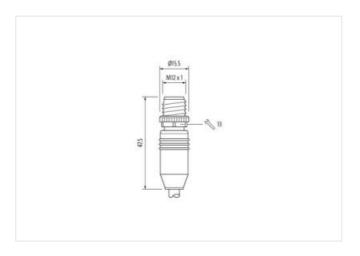
## **Link to Product**

## Illustration









Product may differ from Image



Cable length

0,3 m

Side 1



stay connected

Mounting method   Inserted, screwed	Tightening torque	0,6 Nm	
Family construction form         M12           Thread         M12 x 1           Coding         Y           Material         PUR           Width across flats         SW13           Degree of protection (ENIEC 60529)         IP67           Commercial data           ECLASS-6.0         27706307           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-1.1         27060307           ECLASS-1.2         27060307           ECLASS-1.3         27060307           ECLASS-1.0.1         27060307           ECLASS-1.0.2         27060307           ECLASS-1.0.3         27060307           ECLASS-1.0.1         <	Mounting method	inserted, screwed	
Thread		<u>:</u>	
Material         PUB           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP67           Commercial data           ECLASS-6.0         2779/218           ECLASS-7.0         27060007           ECLASS-7.0         27060007           ECLASS-8.0         27060007           ECLASS-9.0         27060007           ECLASS-10.1         27060007           ECLASS-11.1         27060007           ECLASS-12.0         27060007           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         404879723985           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact (UL)         3.3 A           Operating current per data contact max.         6 A           Industrial communication         6 A           Industrial communication   Ethernet functionality           duplex         Full duplex           Installation   Connection           Mounting set		M12 x 1	
Material         PUB           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP67           Commercial data           ECLASS-6.0         2779/218           ECLASS-7.0         27060007           ECLASS-7.0         27060007           ECLASS-8.0         27060007           ECLASS-9.0         27060007           ECLASS-10.1         27060007           ECLASS-11.1         27060007           ECLASS-12.0         27060007           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         404879723985           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact (UL)         3.3 A           Operating current per data contact max.         6 A           Industrial communication         6 A           Industrial communication   Ethernet functionality           duplex         Full duplex           Installation   Connection           Mounting set			
Width across flats   SW13   Per		PUR	
Degree of protection (EN IEC 60529)   IP67			
Commercial data			
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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         ECO1855           customs fariff number         85444290           GTIN         4048379723985           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.           50 V         Operating voltage AC max.           50 V         Operating voltage AC (UL-listed)           30 V         Operating voltage AC (UL-listed)           30 V         Operating voltage DC (UL-listed)           30 V         Operating current per data contact max.           0.5 A         Operating current per data contact max.           0.5 A         Operating current per power contact max.         6 A           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 <td colspa<="" td=""><td></td><td>07070040</td></td>	<td></td> <td>07070040</td>		07070040
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ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         ECON1855           customs tariff number         85444290           GTIN         4048879723985           Packaging unit         1           Electrical data I Supply         0           Operating voltage AC max.         50 V           Operating voltage DC max.         50 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating uvoltage DC unit (UL)         3.3 A           Operating uvortent per power contact max.         0.5 A           Industrial communication   Ethernet functivolinity           dulplex			
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Current operating per contact (UL) 3,3 A Operating current per data contact max. 0,5 A Operating current per power contact max. 6 A  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  duplex Full duplex  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1)   I  Mechanical data   Material data  Coating locking Nickeled	Operating voltage AC (UL-listed)	30 V	
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duplex Full duplex  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled	Industrial communication   Ethernet funct	tionality	
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Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Nickeled	Pollution Degree	3	
Mechanical data   Material data  Coating locking Nickeled	Rated surge voltage	0,8 kV	
Coating locking Nickeled	Material group (IEC 60664-1)		
	Mechanical data   Material data		
	Coating locking	Nickeled	
Obating of intering Tillohel plated	Coating of fitting	nickel plated	
Locking material Zinc die-casting		· · · · · · · · · · · · · · · · · · ·	
Material screw connection Zinc die-casting			
Mechanical data   Mounting data			
Mounting method inserted, screwed, Shaking protection		inserted screwed Shaking protection	
		moorted, coromod, critising protection	
Environmental characteristics   Climatic	Environmental characteristics   Climatic		
Operating temperature min25 °C	On a section of the section of the section	05.00	

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: 2024-05-03



stay connected

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	<b>Attention:</b> 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	805
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around 1 Filler twisted
Amount stranding (type 2)	1
Stranding (type 2)	4 wires around Stranding combination with Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Pair shielding (type)	copper braid, tinned
Banding	Fleece, Foil
Filler	
wire arrangement	black, brown, white, blue, (orange-white, green, orange, green-white)
Traversing distance (C-track)	
	5 m
Cable weigth	107,8 g/m PUR
Material jacket	
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	8,1 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1,5 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	55 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	20 AWG
Conductor crosssection (wire)	20 AWG
Material conductor wire	Stranded copper wire, bare
Material wire insulation (Data)	PP
Outer diameter wire insulation (Data)	1,1 mm
Tolerance outer diameter wire insulation (data)	
Shore hardness wire insulation (Data)	55 ± 5 Shore D
Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount wires (Data)	4
Amount strands wire (Data)	19
Diameter of single wires (Data)	26 AWG
Conductor crosssection wire (Data)	26 AWG
Material conductor wire (Data)	Stranded copper wire, bare
Nominal voltage AC max.	60 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	5,9 A



Characteristic impedance	100 $\Omega$ ± 15 % @ 1 MHz
Electrical resistance line constant wire	35 Ω/km
Electrical resistance coating wire (Data)	140 Ω/km
AC withstand voltage (wire - wire)	1 kV @ 60 s
Electrical capacity line constant (wire - wire)	52000 pF/km
Power frequency withstand voltage (wire - jacket)	1 kV @ 60 s
AC withstand voltage (wire - shield)	1 kV @ 60 s
Min. operating temperature (static)	-50 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-40 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	5 Mio.
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min