

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

PUR AWG20/26 shielded gn UL/CSA+drag ch. 1.5m

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

Further cable lengths on request.

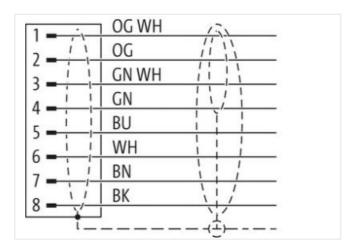
Plastic housings with good resistance against chemicals and oils.

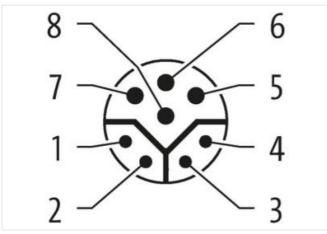
The resistance to aggressive media should be individually tested for your application. Further details on request.

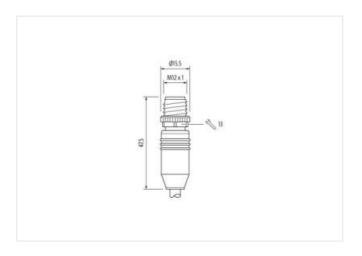
## **Link to Product**

## Illustration









Product may differ from Image



Cable length

1,5 m

Side 1



stay connected

Family construction form   M12   M12   M12   M12   M12   M13   M12   M13   M
Tyread
Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IR67           Commercial data           ECLASS-6.0         27279218           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           ECLASS-13.0         ECO1885           CLASS-12.0         27060007           ECLASS-13.1         27060007           ECLASS-14.0         27060007           ECLASS-17.1         27060007           ECLASS-18.0         EC01885           COLASS-19.0         EC01885           COLASS-19.0         EC01885           ECLASS-19.1         27060007           ECLASS-19.0         27060007           ECLASS-19.1         27060007           ECLASS-19.0         27060007           ECLASS-19.1         27060007           ECLASS-19.1         27060007           ETIM-5.0         EC01885           Departmention of the cold the coll
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Degree of protection (EN IEC 60529)   IF67
Degree of protection (EN IEC 60829)   IP67
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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         EC001855           ususoms tariff number         8544290           GTIN         4048879488037           Packagny unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC max.         50 V           Operating voltage DC (IU-listed)         30 V           Operating unrempt per data contact max.         0.5 A           Operating unrempt per data contact max.         0.5 A           Operating unrempt per power contact max.         6 A           Industrial communication         6 A           Industrial communication   Ethernet functionality           duplex         Full duplex           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted
ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ETLAS-12.0 27060307 ETLAS-12.0 12060307 ETL
ECLASS 8.0         27060307           ECLASS 9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs fariff number         85444290           GTIN         404887948037           Packaging unit         1           Electrical data   Supply         1           Operating voltage AC max.         50 V           Operating voltage DC max.         50 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact (UL)         3.3 A           Operating current per data contact max.         0.5 A           Operating current per proper contect 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         More than the parameters           Mounting set         M12 x 1           Device protection   Electrical
ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC01855           customs tariff number         85444290           GTIN         4048879488037           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage DC max.         50 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating under per contact (UL)         3,3 A           Operating current per data contact max.         0,5 A           Operating current per data contact max.         0,5 A           Operating current per opewer contact max.         6 A           Industrial communication         Industrial communication           Transfer parameters         CAT5, Class D ((SO/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   E
ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001865           customs tariff number         85444290           GTIN         4048879489037           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage DC max.         50 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating outlage DC (UL-listed)         30 V           Operating current per data contact max.         0,5 A           Operating current per power contact (UL)         3,3 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 functionaling           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed <t< td=""></t<>
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ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879488037           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           Operating voltage DC (UL-listed)         30 V           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         CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         100 MBlt/s           Industrial communication   Ethernet functionality         duplex           Industrial communication   Ethernet functionality         multiplex           Installation   Connection         M12 X 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 50564-1)         I </td
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Packaging unit   1
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Mechanical data   Material data       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting
Coating locking  Nickeled  Coating of fitting  nickel plated  Locking material  Zinc die-casting
Coating of fitting nickel plated  Locking material Zinc die-casting
Coating of fitting nickel plated  Locking material Zinc die-casting
Locking material Zinc die-casting
Mechanical data   Mounting data
Mounting method inserted, screwed, Shaking protection
Environmental characteristics   Climatic  Operating temperature min25 °C
Operating temperature min25 °C



stay connected

Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
	5.11 E.11 (10.10 E.10 E.10 (10.10 E.10 E.10 E.10 E.10 E.10 E.10 E.10
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	yes
wire arrangement	black, brown, white, blue, (orange-white, green, orange, green-white)
No. of bending cycles (C-track)	5 Mio.
Cable weigth	107,8 g/m
Material jacket	PUR
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 wires (Data)  Amount strands wire (Data)	19
Diameter of single wires (Data)	26 AWG
Conductor crosssection wire (Data)	26 AWG
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Material conductor wire (Data)	Stranded copper wire, bare
Traversing distance (C-track)	5 m
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	5,9 A
Current load capacity min. Wire (Data)	2 A
Characteristic impedance	100 Ω ± 15 % @ 1 MHz
Electrical resistance line constant wire	35 Ω/km
	140 Ω/km
Electrical resistance coating wire (Data)  Nominal voltage power AC max.	60 V



Electrical capacity line constant (wire - wire) (power)	52000 pF/km
AC withstand voltage power (wire - shield)	1 kV @ 60 s
Power frequency withstand voltage power (wire - jacket)	1 kV @ 60 s
AC withstand voltage power (wire - wire)	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
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 30 °/m