

## M8 male 0° / M8 male 0° A-cod. shielded

PUR 1x4xAWG26 shielded gn UL/CSA+drag ch. 50m

**Ethernet CAT5** Male straight - male straight M8 - M8, 4-pole shielded

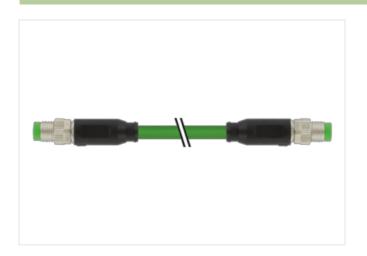
Further cable lengths on request.

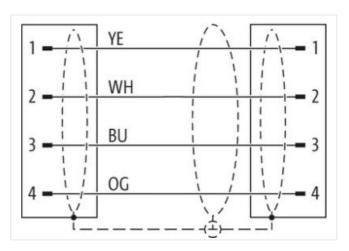
Plastic housings with good resistance against chemicals and oils.

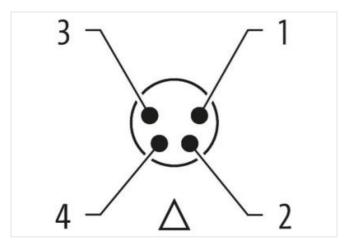
The resistance to aggressive media should be individually tested for your application. Further details on request.

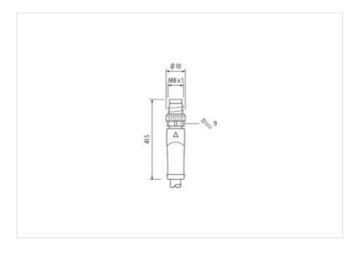
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

50 m

Side 1

Tightening torque

0,4 Nm

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: 2024-05-10



Mounting method	inserted, screwed
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Coating contact	gold plated M8
Family construction form	
Thread	M8 x 1
suitable for corrugated tube (internal Ø)  Material contact	8,5 mm
	Copper alloy
No. of poles Width across flats	4 SW9
	Swa
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
Material contact	Copper alloy
No. of poles	4
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	4048879421447
Packaging unit	1
Electrical data   Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	
Transfer parameters	With reference to CAT5, Class D (ISO/IEC 11801)
Data transmission rate max.	100 MBit/s
Diagnostics	
Status indication LED	no
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I .
Mechanical data   Material data	
Coating locking	nickel plated
Material housing	PUR
Locking material	Brass
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection

Environmental characteristics | Climatic



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 61076-2-114 (M8)
Installation   Cable	
Cable identification	791
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires star-shaped twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fiber tape, Fleece, Foil
Filler	yes
wire arrangement	white, orange, blue, yellow
Traversing distance (C-track)	5 m
Cable weigth	59,4 g/m
Material jacket	PUR
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Outer-diameter (jacket)	4,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP PP
Amount wires	4
Outer diameter insulation	1,04 mm
Outer diameter tolerance core insulation	±5%
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	19
Diameter of single wires	26 AWG
Conductor crosssection (wire)	26 AWG
Material conductor wire	copper stranded wire, tinned
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	2,4 A
Characteristic impedance	100 Ω ± 15 % @ 100 MHz
Electrical resistance line constant wire	140 Ω/km
AC withstand voltage (wire - wire)	0,7 kV @ 60 s
Electric capacitance	51000 pF/km
Power frequency withstand voltage (wire -	
jacket) AC withstand voltage (wire - shield)	0,7 kV @ 60 s 0,7 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (static)	80 °C
Operating temperature (lixed)	-30 °C
Operating temperature min. (dynamic)  Operating temperature max. (dynamic)	-30 °C 70 °C
Sperating temperature max. (dynamic)	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	
Oil resistance	Good, application-related testing  DIN EN 60811-404   Good, application-related testing



Bending radius (fixed) 7,5 x Outer diameter

Bending radius (dynamic) 12,5 x Outer diameter