

M8 male 90° / M8 female 0° A-cod.

PUR 3x0.25 gy UL/CSA+drag ch. 2.5m

Male 90° – female straight

Male 90° – female straight

M8 – M8, 3-pole

M8 – M8, 3-pole

Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

Further cable lengths on request.

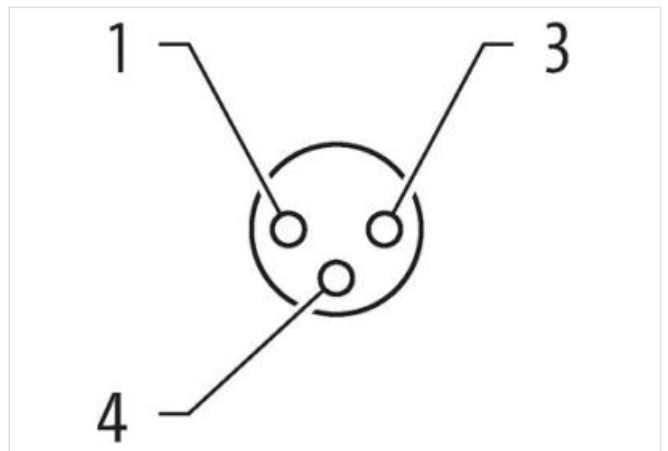
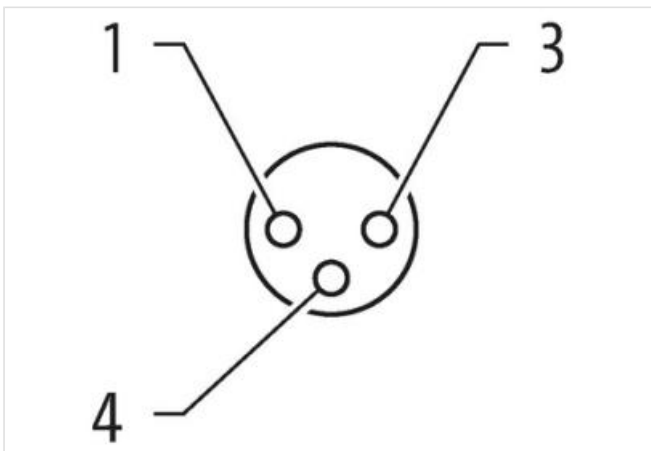
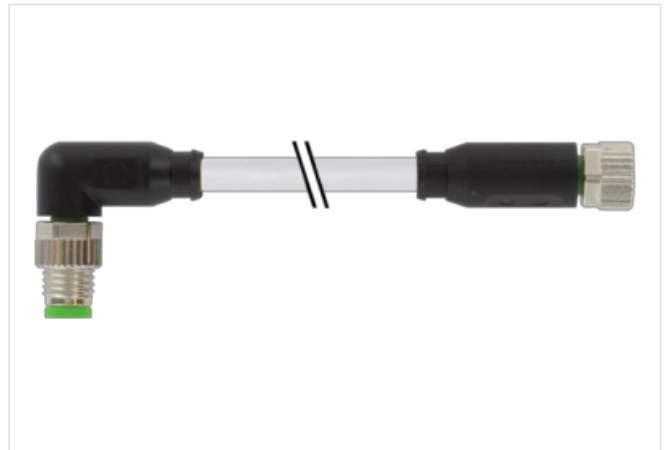
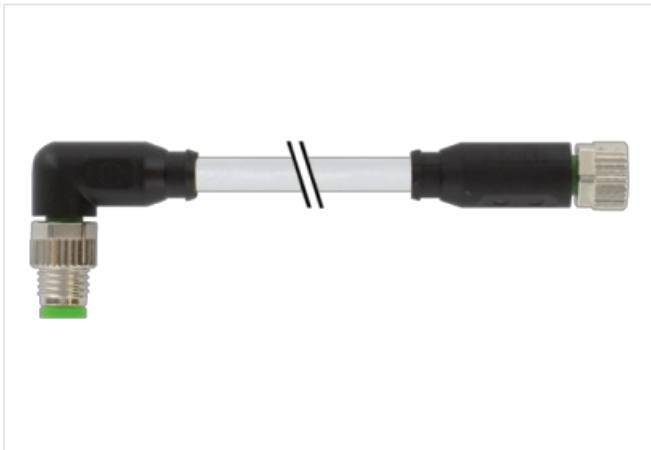
Further cable lengths on request.

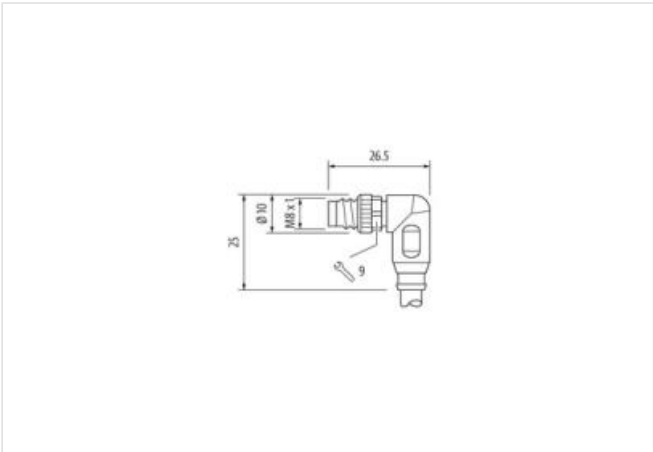
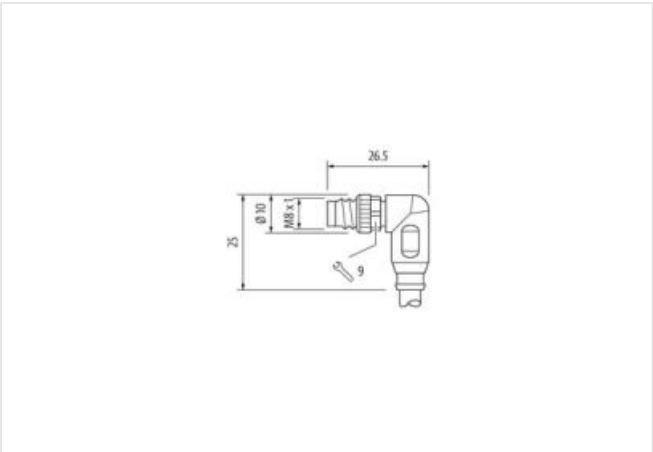
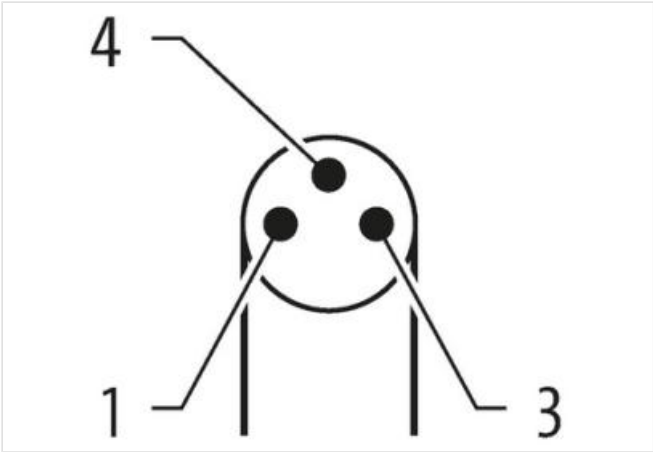
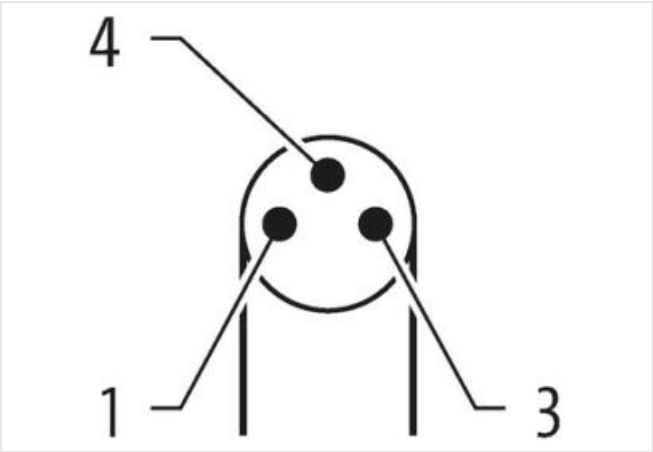
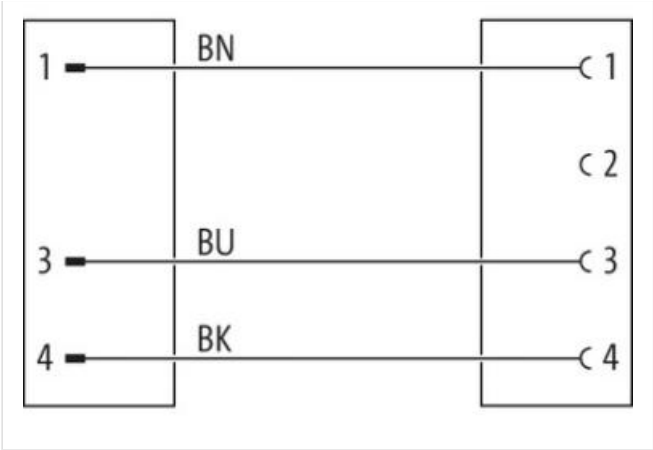
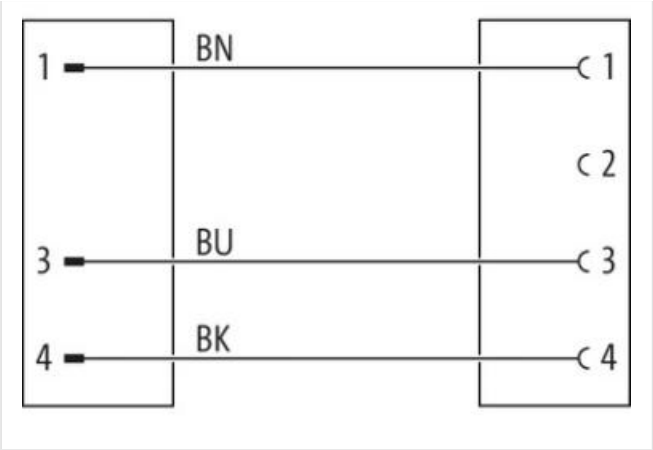
Plastic housings with good resistance against chemicals and oils.

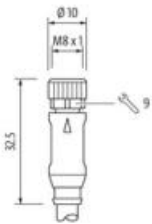
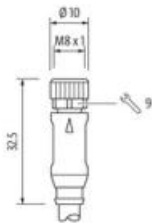
Plastic housings with good resistance against chemicals and oils.

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

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[Link to Product](#)**Illustration**





Product may differ from Image



Cable length	2,5 m
Cable length	2,5 m
Side 1	
Tightening torque	0,4 Nm
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Mounting method	inserted, screwed
Coating contact	gold plated
Coating contact	gold plated
Family construction form	M8
Family construction form	M8
Thread	M8 x 1
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
suitable for corrugated tube (internal Ø)	6,5 mm
Cable outlet	angled
Cable outlet	angled
Coding	A
Coding	A
Material contact	Copper alloy
Material contact	Copper alloy
No. of poles	3
No. of poles	3
Width across flats	SW9
Width across flats	SW9
Side 2	
Tightening torque	0,4 Nm
Tightening torque	0,4 Nm
Mounting method	inserted, screwed

Mounting method	inserted, screwed
Coating contact	gold plated
Coating contact	gold plated
Family construction form	M8
Family construction form	M8
Thread	M8 x 1
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
suitable for corrugated tube (internal Ø)	6,5 mm
Cable outlet	straight
Cable outlet	straight
Coding	A
Coding	A
Material contact	Copper alloy
Material contact	Copper alloy
No. of poles	3
No. of poles	3

Commercial data

ECLASS-6.0	27279218
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4065909054598
Packaging unit	1

Electrical data | Supply

Operating voltage AC max.	50 V
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Current operating per contact max.	4 A

Diagnostics

Status indication LED	no
Status indication LED	no

Device protection Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP66K
Degree of protection (EN IEC 60529)	IP65, IP67, IP66K
Additional condition protection degree	inserted, screwed
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Pollution Degree	3
Rated surge voltage	1,5 kV
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Material group (IEC 60664-1)	I
Mechanical data Material data	
Coating locking	Nickeled
Coating locking	Nickeled
Material gasket	FKM
Material gasket	FKM
Material housing	PUR
Material housing	PUR
Locking material	Zinc die-casting
Locking material	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
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.
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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.
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Conformity	
Product standard	DIN EN 61076-2-114 (M8)
Product standard	DIN EN 61076-2-114 (M8)
Installation Cable	
wire arrangement	brown, black, blue
wire arrangement	brown, black, blue
Cable identification	230
Cable identification	230
Cable Type	3
Cable Type	3
Jacket Color	gray
Jacket Color	gray
Type of Certificate	cURus
Type of Certificate	cURus
Amount stranding	1

Amount stranding	1
Stranding	3 wires twisted
Stranding	3 wires twisted
wire arrangement	brown, black, blue
wire arrangement	brown, black, blue
Cable weighth	26,4 g/m
Cable weighth	26,4 g/m
Material jacket	PUR
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	4,1 mm
Outer-diameter (jacket)	4,1 mm
Tolerance outer diameter (sheath)	± 5 %
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Material wire insulation	PP
Amount wires	3
Amount wires	3
Outer diameter insulation	1,25 mm
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	70 ± 5 Shore D
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	32
Amount strands (wire)	32
Diameter of single wires	0,1 mm
Diameter of single wires	0,1 mm
Conductor crossection (wire)	0,25 mm ²
Conductor crossection (wire)	0,25 mm ²
Material conductor wire	Stranded copper wire, bare
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
Electrical resistance line constant wire	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Min. operating temperature (static)	-40 °C

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: 2024-06-02

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Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C horizontal
Traversing distance (C-track)	10 m @ 25 °C horizontal
Travel speed (C-track)	3 m/s @ 25 °C
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min
Torsion speed	35 cycles/min