

M8 female 0° A-cod. with cable

PUR 3x0.25 gy UL/CSA+robot+drag ch. 30m

Female straight

Zinc die casting, save-cover coated

M8, 3-pole

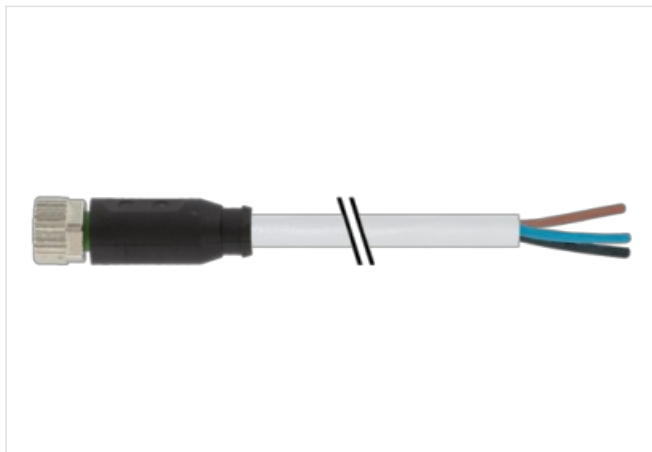
Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

with cable sleeves

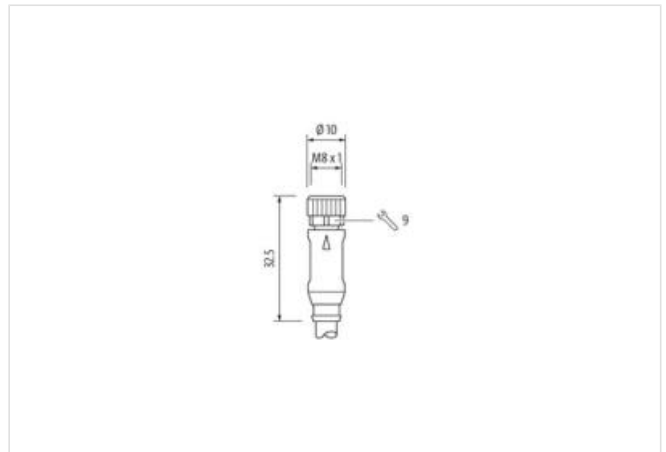
Plastic housings with good resistance against chemicals and oils.

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

Further cable lengths on request.

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

Product may differ from Image



Cable length

30 m

Side 1

Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Cable outlet	straight
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67

Side 2

Stripping length (jacket)	20 mm
Coating contact	gold plated
Family construction form	free cable end

取引条件

ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
GTIN	4048879519441
HSコード	85444290
Packaging unit	1

Electrical data | Supply

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

Diagnostics

Status indication LED	no
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Installation | Connection

Stripping length (jacket)	20 mm
Mounting set	M8 x 1

Device protection | Electrical

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	safe-cover coated
Coating of fitting	nickel plated
Material gasket	FKM
Locking material	Zinc die-casting

Material screw connection

Zinc die-casting

Mechanical data | Mounting data

Mounting method

inserted, screwed, Shaking protection

Environmental characteristics | Climatic

Operating temperature min.

-25 °C

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

Attention: 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 61076-2-104 (M8)

Installation | Cable

wire arrangement

brown, black, blue

Cable identification

250

Cable Type

5

Jacket Color

gray

Type of Certificate

cURus

Amount stranding

1

Stranding

3 wires twisted

wire arrangement

brown, black, blue

Cable weigth

26,4 g/m

Material jacket

PUR

Shore hardness jacket

58 ± 3 Shore D

Freedom from ingredients (jacket)

lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

Outer-diameter (jacket)

4,3 mm

Tolerance outer diameter (sheath)

± 5 %

Material wire insulation

PP

Amount wires

3

Outer diameter insulation

1,25 mm

Outer diameter tolerance core insulation

± 5 %

Shore hardness wire insulation

74 ± 3 Shore D

Ingredient freeness wire insulation

lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

Amount strands (wire)

32

Diameter of single wires

0,1 mm

Conductor crossection (wire)

0,25 mm²

Material conductor wire

Stranded copper wire, bare

Conductor type (wire)

strand class 6

Nominal voltage AC max.

300 V

Current load capacity (standard)

to DIN VDE 0298-4

Current load capacity min. wire

4,5 A

Electrical resistance line constant wire

79 Ω/km @ 20 °C

AC withstand voltage (wire - wire)

2,5 kV @ 60 s

Power frequency withstand voltage (wire - jacket)

2,5 kV @ 60 s

Min. operating temperature (static)

-40 °C

Max. operating temperature (fixed)

80 °C / 90 °C @ 10000 h Operation

Operating temperature min. (dynamic)

-25 °C

Operating temperature max. (dynamic)

80 °C / 90 °C @ 10000 h Operation

Flame resistance

IEC 60332-2-2 | UL 1581 § 1100 FT2 | 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 (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min