

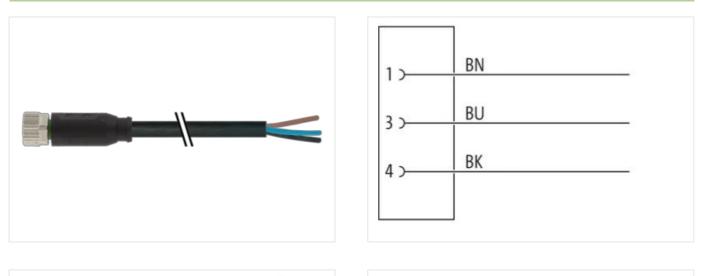
## M8 female 0° A-cod. with cable

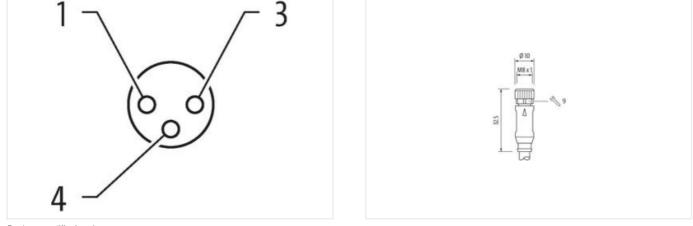
PUR 3x0.25 bk UL/CSA+drag ch. 0.5m

Female straight 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



0,5 m

0,4 Nm

Cable length

Side 1

Tightening torque

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Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal $\emptyset$ )	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
Commercial data	
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
customs tariff number	85444290
GTIN	4048879680820
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
Installation   Connection	
Stripping length (jacket)	20 mm
Mounting set	M8 x 1
Device protection   Electrical	
	insorted corowed
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
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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	
Cable identification	630
Cable Type	3
Jacket Color	black
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	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Duter-diameter (jacket)	4,1 mm
Folerance 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	70 ± 5 Shore D
ngredient 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 crosssection (wire)	0,25 mm <sup>2</sup>
Material conductor wire	
	Stranded copper wire, bare
Conductor type (wire)	Stranded copper wire, bare strand class 6
	strand class 6
Traversing distance (C-track)	
Traversing distance (C-track) Travel speed (C-track)	strand class 6 10 m @ 25 °C   horizontal
Traversing distance (C-track) Travel speed (C-track) Jominal voltage AC max.	strand class 6 10 m @ 25 °C   horizontal 10 Mio. @ 25 °C
Traversing distance (C-track) Travel speed (C-track) Nominal voltage AC max. Current load capacity (standard)	strand class 6           10 m @ 25 °C   horizontal           10 Mio. @ 25 °C           300 V
Traversing distance (C-track) Travel speed (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire	strand class 6           10 m @ 25 °C   horizontal           10 Mio. @ 25 °C           300 V           to DIN VDE 0298-4
Traversing distance (C-track) Travel speed (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire	strand class 6         10 m @ 25 °C   horizontal         10 Mio. @ 25 °C         300 V         to DIN VDE 0298-4         4,5 A
Traversing distance (C-track) Travel speed (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire -	strand class 6           10 m @ 25 °C   horizontal           10 Mio. @ 25 °C           300 V           to DIN VDE 0298-4           4,5 A           79 Ω/km @ 20 °C
Traversing distance (C-track) Travel speed (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - acket)	strand class 6         10 m @ 25 °C   horizontal         10 Mio. @ 25 °C         300 V         to DIN VDE 0298-4         4,5 A         79 Ω/km @ 20 °C         2,5 kV @ 60 s
Traversing distance (C-track) Travel speed (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - acket) Min. operating temperature (static)	strand class 6         10 m @ 25 °C   horizontal         10 Mio. @ 25 °C         300 V         to DIN VDE 0298-4         4,5 A         79 Ω/km @ 20 °C         2,5 kV @ 60 s         2,5 kV @ 60 s
Traversing distance (C-track) Travel speed (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - acket) Min. operating temperature (static) Max. operating temperature (fixed)	strand class 6         10 m @ 25 °C   horizontal         10 Mio. @ 25 °C         300 V         to DIN VDE 0298-4         4,5 A         79 Ω/km @ 20 °C         2,5 kV @ 60 s         2,5 kV @ 60 s         -40 °C
Conductor type (wire) Traversing distance (C-track) Travel speed (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - acket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic)	strand class 6         10 m @ 25 °C   horizontal         10 Mio. @ 25 °C         300 V         to DIN VDE 0298-4         4,5 A         79 Ω/km @ 20 °C         2,5 kV @ 60 s         2,5 kV @ 60 s         -40 °C         80 °C / 90 °C @ 10000 h Operation
Traversing distance (C-track) Travel speed (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - acket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic)	strand class 6 10 m @ 25 °C   horizontal 10 Mio. @ 25 °C 300 V to DIN VDE 0298-4 4,5 A 79 Ω/km @ 20 °C 2,5 kV @ 60 s 2,5 kV @ 60 s -40 °C 80 °C / 90 °C @ 10000 h Operation -25 °C
Traversing distance (C-track) Travel speed (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - acket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic)	strand class 6         10 m @ 25 °C   horizontal         10 Mio. @ 25 °C         300 V         to DIN VDE 0298-4         4,5 A         79 Ω/km @ 20 °C         2,5 kV @ 60 s         2,5 kV @ 60 s         -40 °C         80 °C / 90 °C @ 10000 h Operation         -25 °C         80 °C / 90 °C @ 10000 h Operation         DIN EN ISO 4892-2 A
Traversing distance (C-track) Travel speed (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - acket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) JV resistance	strand class 6         10 m @ 25 °C   horizontal         10 Mio. @ 25 °C         300 V         to DIN VDE 0298-4         4,5 A         79 Ω/km @ 20 °C         2,5 kV @ 60 s         2,5 kV @ 60 s         -40 °C         80 °C / 90 °C @ 10000 h Operation         -25 °C         80 °C / 90 °C @ 10000 h Operation

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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 torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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