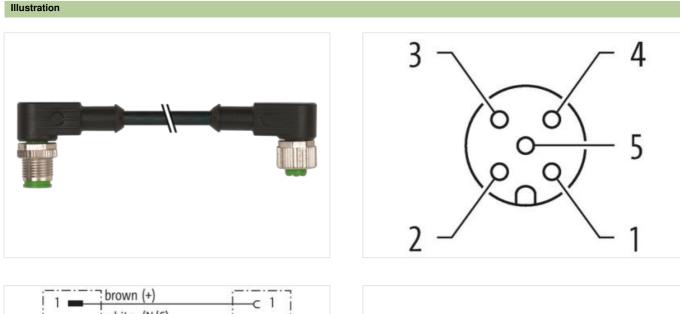


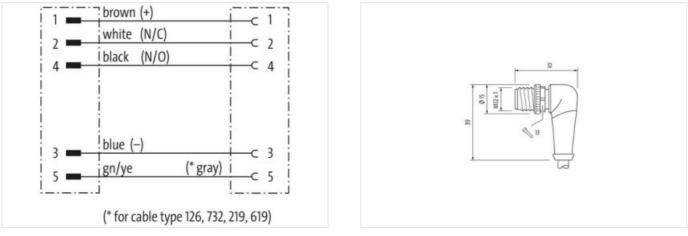
## M12 male 90° / M12 female 90° A-cod.

PUR 5x0.34 bk UL/CSA+drag ch. 4m

Male 90° – female 90° M12 – M12, 5-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) 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. Further cable lengths on request.

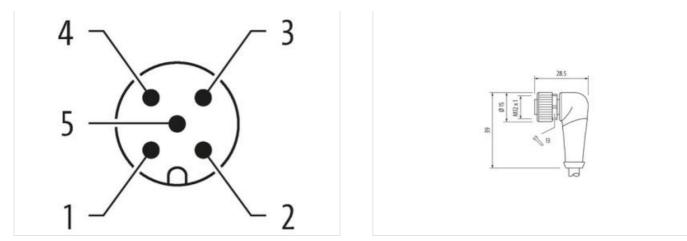
## Link to Product





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Product may differ from Image



Cable length	4 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $Ø$ )	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $Ø$ )	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Commercial data	
ECLASS-6.0	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	4048879787154
Packaging unit	1

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## Electrical data | Supply

Electrical data   Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
•	inserted, screwed
Additional condition protection degree Pollution Degree	3
Material group (IEC 60664-1)	
	1
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
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 ℃
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.
Installation   Cable	
Cable identification	732
	3
Cable Type Jacket Color	3 black
Jacket Color	black
Jacket Color Type of Certificate	black cURus
Jacket Color Type of Certificate Amount stranding	black cURus 1
Jacket Color Type of Certificate	black cURus 1 5 wires around Core filler twisted
Jacket Color Type of Certificate Amount stranding Stranding Filler	black cURus 1
Jacket Color Type of Certificate Amount stranding Stranding	black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track)	black cURus 1 5 wires around Core filler twisted yes
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth	black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray 10 m @ 25 °C   horizontal
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket	black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray 10 m @ 25 °C   horizontal 41,8 g/m
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket	black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray 10 m @ 25 °C   horizontal 41,8 g/m PUR
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, gray 10 m @ 25 °C   horizontal 41,8 g/m PUR 90 ± 5 Shore A
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket)	black         cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, gray         10 m @ 25 °C   horizontal         41,8 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Tolerance outer diameter (sheath)	black         cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, gray         10 m @ 25 °C   horizontal         41,8 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         4,8 mm
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Folerance outer diameter (sheath) Material wire insulation	black         cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, gray         10 m @ 25 °C   horizontal         41,8 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         4,8 mm         ± 5 %
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	black         cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, gray         10 m @ 25 °C   horizontal         41,8 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         4,8 mm         ± 5 %         PP
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Duter diameter insulation	black         cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, gray         10 m @ 25 °C   horizontal         41,8 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         4,8 mm         ± 5 %         PP         5
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement	black         cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, gray         10 m @ 25 °C   horizontal         41,8 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         4,8 mm         ± 5 %         PP         5         1,25 mm
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	black         cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, gray         10 m @ 25 °C   horizontal         41,8 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         4,8 mm         ± 5 %         PP         5         1,25 mm         ± 5 %
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	black         cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, gray         10 m @ 25 °C   horizontal         41,8 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         4,8 mm         ± 5 %         PP         5         1,25 mm         ± 5 %         70 ± 5 Shore D
Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation	black         cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, gray         10 m @ 25 °C   horizontal         41,8 g/m         PUR         90 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         4,8 mm         ± 5 %         PP         5         1,25 mm         ± 5 %         70 ± 5 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

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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	57 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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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