

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

PVC 5x0.34 bk UL/CSA 0.6m

Male 90° - female 90°

M12 - M12, 5-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

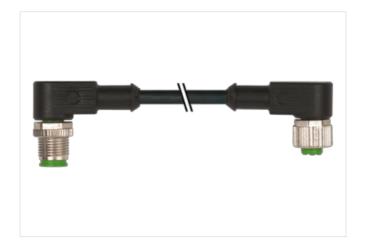
Plastic housings with good resistance against chemicals and oils.

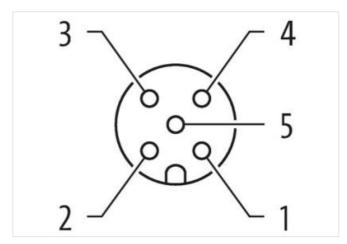
The resistance to aggressive media should be individually tested for your application. Further details on request.

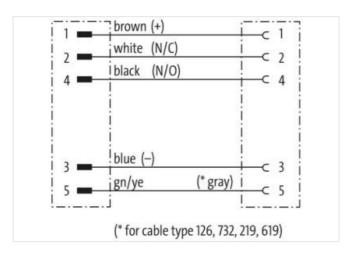
Further cable lengths on request.

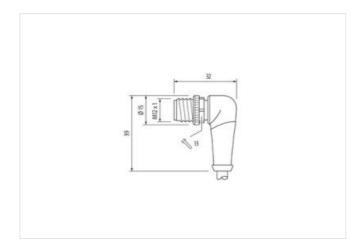
## **Link to Product**

## Illustration



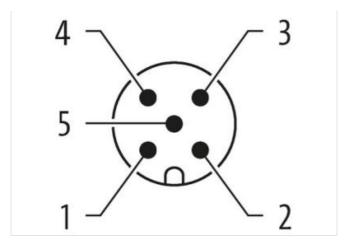


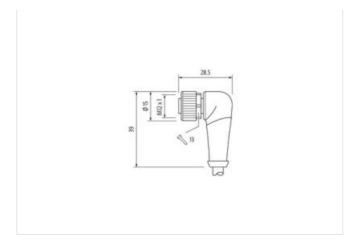






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Cable length





0,6 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 $\emptyset$ )	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	4048879172134
Packaging unit	1

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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
	TA
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Material group (IEC 60664-1)	I
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 °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.
Installation   Cable	
Cable identification	615
Cable Type	1
Jacket Color	black
Type of Certificate	cURus
	1
Amount stranding	5 wires around Core filler twisted
Stranding	
Stranding	
Filler	yes
Filler wire arrangement	yes brown, black, blue, white, green-yellow
Filler  vire arrangement  Cable weigth	yes brown, black, blue, white, green-yellow 48,4 g/m
Filler wire arrangement Cable weigth Material jacket	yes brown, black, blue, white, green-yellow 48,4 g/m PVC
Filler wire arrangement Cable weigth Material jacket Shore hardness jacket	yes brown, black, blue, white, green-yellow 48,4 g/m PVC 85 ± 5 Shore A
Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	yes brown, black, blue, white, green-yellow 48,4 g/m PVC 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free
Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	yes brown, black, blue, white, green-yellow 48,4 g/m PVC 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,2 mm
Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Folerance outer diameter (sheath)	yes brown, black, blue, white, green-yellow  48,4 g/m  PVC  85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free  5,2 mm  ± 5 %
Filler  vire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)  Folerance outer diameter (sheath)  Material wire insulation	yes brown, black, blue, white, green-yellow  48,4 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5,2 mm  ± 5 %  PVC
Filler  vire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)  Folerance outer diameter (sheath)  Material wire insulation  Amount wires	yes brown, black, blue, white, green-yellow 48,4 g/m PVC 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,2 mm ± 5 % PVC 5
Filler  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation	yes brown, black, blue, white, green-yellow 48,4 g/m PVC 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,2 mm ± 5 % PVC 5 1,25 mm
Filler  wire arrangement  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	yes brown, black, blue, white, green-yellow 48,4 g/m PVC 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,2 mm ± 5 % PVC 5 1,25 mm ± 5 %
Filler wire arrangement 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	yes brown, black, blue, white, green-yellow  48,4 g/m  PVC  85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free  5,2 mm  ± 5 %  PVC  5  1,25 mm  ± 5 %  45 ± 5 Shore D
Filler wire arrangement 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 Material properties wire insulation	yes brown, black, blue, white, green-yellow  48,4 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5,2 mm  ± 5 %  PVC  5  1,25 mm  ± 5 %  45 ± 5 Shore D  good machinability
Filler wire arrangement 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 Duter diameter tolerance core insulation Shore hardness wire insulation Material properties wire insulation Ingredient freeness wire insulation	yes brown, black, blue, white, green-yellow  48,4 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5,2 mm ± 5 %  PVC  5  1,25 mm ± 5 %  45 ± 5 Shore D  good machinability  lead-free, cadmium-free, CFC-free, silicone-free
Filler wire arrangement 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 Material properties wire insulation	yes brown, black, blue, white, green-yellow  48,4 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  5,2 mm  ± 5 %  PVC  5  1,25 mm  ± 5 %  45 ± 5 Shore D  good machinability

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Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
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
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
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	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter