

## M12 male 0° / M12 female 0° A-cod.

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

Male straight – female straight M12 – M12, 5-pole

A-coded

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

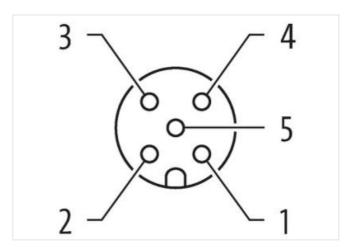
Plastic housings with good resistance against chemicals and oils.

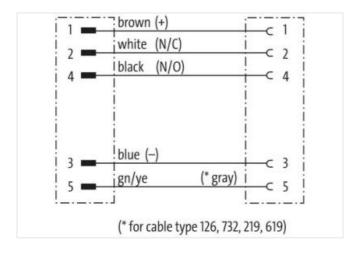
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## **Link to Product**

## Illustration



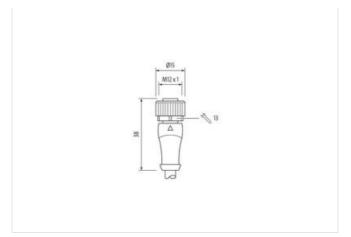


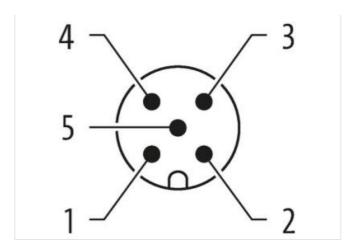






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Product may differ from Image













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
Cable outlet	straight
Coding	A
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, 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
Cable outlet	straight
Coding	A
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, 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

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costoms tariff number  8444290  GTIN 449897818433  AURS97818433  AURS978	ECLASS-12.0	27060311
Section   Sect	ETIM-5.0	EC001855
Packaging unit   1   1   2   2   2   2   2   2   2   2	customs tariff number	
Pereincal data   Supply	GTIN	4048879181433
Pereincal data   Supply	Packaging unit	1
Operating voltage AC max. 125 V Operating voltage DC (UL isleed) 30 V Operating temperature vinc. 25 °C Operating temperature vinc. 25 °C Operating temperature vince operature vince depending on cable quality 0 Operating temperature vince operature vin		
Operating voltage DC max.   125 V   Operating voltage AC (UIL-isted)   30 V   Operating voltage AC (UIL-isted)   Operating voltage AC (UIL-isted)   Operating voltage AC (UIL-isted)   OPERATION   Operating voltage AC (UIL-isted)   OPERATION   OPERATIO		105 \/
Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) Wile X I  Degree of protection   Chief Connection  Wounting set Wile X I Operation   Connection   Chief Connectio		
Departing voltage DC (UL-listed)		
Development operating per contact max.   A   A		
Mounting set   M12 x 1		
Mounting set M12 x 1  Pevice protection   Electrical   Degree of protection (EN IEC 60529)   IP65, IP67, IP66K   Additional condition protection degree   IP66, IP67, IP66K   Additional condition protection degree   IP66, IP67, IP66K   Additional condition protection degree   IP66, IP67, IP66K   Additional condition of IR66K   Additional condition of IR66K   Additional condition of IR66K   Additional condition temperature range   IP66K   Additional condition   IP66K		
Degree of protection   Electrical Degree of protection (EM IEC 60529)   IP65, IP67, IP66K   Inserted, screwed		Mo., 4
Degree of protection (EN IEC 60529) IP65, IP67, IP66K Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 1,5 kV Meterial group (IEC 60684-1) I  Mechanical data   Material data  Coating locking nickel plated Coating of litting nickel plated Coating of litting 2 inches plated Coating of litting 3 inches plated Coating of litting 2 inches plated Coating of litting 3 inches plated Coating of litting 4 inches plated Coating 6 inches plated Coating 7 inches plated Coating 7 inches plated Coating 7 inches plated Coating 8 inches plated Coating 9 inche		MIZXI
Additional condition protection degree inserted, screwed  Pollution Degree 3  Material group (IEC 60664-1) I  Mechanical data   Material data  Coading locking Nickeled Coading of litting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting  Material screw connection Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Material instillation notes  Note on barding radius  Altention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard  Dix En 61076-2-101 (M12)  Installation   Gable  Cable identification  635  Cable identification  635  Cable identification  645  Cabl	Device protection   Electrical	
Follution Degree 3 Rated surge voitage 1,5 kV  Material group (IEC 60664-1) I  Mechanical date   Material date  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  Deparating temperature min. 25° C  Operating temperature mape  depending on cable quality  Important installation notes  Note on brain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on brain gradius 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 61076-2-101 (M12)  Installation   Cable  Cable interficiation	Degree of protection (EN IEC 60529)	* *
Rated surge voltage 1,5 kV  Material group (IEC 60664-1) 1  Coating locking Michael data   Michael data    Coating locking nickel plated    Coating of fitting nickel plated    Coating of fitting nickel plated    Coating of fitting nickel plated    Coating district screw connection   Zinc dis-casting    Material characteristics   Climatic    Coperating temperature min.   -25 °C    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.    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 61076-2-101 (M12)    Installation   Cable    Cable identification   635    Cable identification   635    Cable identification   635    Cable identification   635    Cable identification   53    Cable identification   54    Stranding   1    Stranding   5 wires around Core filler twisted    Filler   yes    wire arrangement   brown, black, blue, white, green-yellow    Caclbie weigh   41,8 gm    Material jacket   PUR    Shore hardness jacket   Fuce damium-free, CFC-free, halogen-free, silicone-free    Outer-diameter (jacket)   4,8 mm	Additional condition protection degree	· · · · · · · · · · · · · · · · · · ·
Material group (IEC 60664-1)    Mechanical data   Material data	Pollution Degree	
Mechanical data   Material data Coating locking Nickeled Coating of fitting nickel plated Coating of fitting nickel plated Coating of fitting Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deperating temperature min25 °C Operating temperature min25 °C Operating temperature many 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 Atention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformiy  Product standard DIN EN 61076-2-101 (M12) Installation   Cable Cable identification Cable identification Cable (Color Black Type of Certificate CURus Amount stranding 1 Stranding 5 wires around Core filler twisted Filler yes Wire arrangement brown, black, blue, white, green-yellow Cable weigh 41,8 g/m Material jacket PUR Shore hardness jacket PUR Feedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		1,5 kV
Coating locking Nickeled Coating of litting 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.		<u> </u>
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  Coperating temperature min25 °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.  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 61076-2-101 (M12)  Installation   Cable  Cable identification   635  Cable Type   3  Jacket Color   black  Type of Certificate   cURus  Amount stranding   1  Stranding   5 wires around Core filler twisted  Filler   yes  wire arrangement   brown, black, blue, white, green-yellow  Cable weigh   41,8 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  Outer-diameter (jacket)   4,8 mm	Mechanical data   Material data	
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 min25 °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.  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 61076-2-101 (M12)  Installation   Cable  Cable identification 635  Cable Type 3  3  3  3  3  3  3  3  3  3  3  3  3	Coating locking	Nickeled
Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.	Coating of fitting	nickel plated
Mounting method inserted, screwed. Shaking protection  Environmental characteristics   Climatic Operating temperature min25 °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 61076-2-101 (M12) Installation   Cable Cable Inpendenting and the standard Salads of the standards of the standard Salads of the standards of the standard Salads of the standards of the sta	Locking material	Zinc die-casting
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic  Operating temperature min25 °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.  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 61076-2-101 (M12)  Installation   Cable  Cable identification 635  Cable Type 3  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  wire arrangement brown, black, blue, white, green-yellow  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket PUR  Freedom from ingredients (jacket) 4,8 mm	Mechanical data   Mounting data	
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 61076-2-101 (M12)  Installation   Cable Cable identification 635 Cable Type 3 Jacket Color black Type of Certificate cURus  Amount stranding 1 Stranding 5 wires around Core filler twisted Filler yes wire arrangement brown, black, blue, white, green-yellow Cable weigth 41,8 g/m Material jacket PUR Shore hardness jacket PUR Freedom from ingredients (jacket) 4,8 mm	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.  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.  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 61076-2-101 (M12)  Installation   Cable  Cable identification 635  Cable Type 3  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  wire arrangement brown, black, blue, white, green-yellow  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket PUR  Shore hardness jacket lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,8 mm	Environmental characteristics   Climatic	
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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 61076-2-101 (M12)  Installation   Cable  Cable identification 635  Cable identification 53  Jacket Color 51  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes wire arrangement 5 brown, black, blue, white, green-yellow  Cable weigth 41,8 g/m  Material jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,8 mm	Important installation notes	
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 61076-2-101 (M12)  Installation   Cable  Cable identification 635  Cable identification 53  Jacket Color 51  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes wire arrangement 5 brown, black, blue, white, green-yellow  Cable weigth 41,8 g/m  Material jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,8 mm	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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Product standard DIN EN 61076-2-101 (M12)  Installation   Cable   Cable identification 635  Cable Type 3  Jacket Color black Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes wire arrangement brown, black, blue, white, green-yellow  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) 4,8 mm		endangered by excessive bending forces.
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Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes wire arrangement brown, black, blue, white, green-yellow  Cable weigth 41,8 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  Outer-diameter (jacket) 4,8 mm	Cable Type	3
Amount stranding  5 wires around Core filler twisted  Filler  yes  wire arrangement  brown, black, blue, white, green-yellow  Cable weigth  41,8 g/m  Material jacket  PUR  Shore hardness jacket  90 ± 5 Shore A  Freedom from ingredients (jacket)  0uter-diameter (jacket)  4,8 mm	Jacket Color	black
Stranding 5 wires around Core filler twisted  Filler yes wire arrangement brown, black, blue, white, green-yellow  Cable weigth 41,8 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  Outer-diameter (jacket) 4,8 mm	Type of Certificate	cURus
Filler yes wire arrangement brown, black, blue, white, green-yellow Cable weigth 41,8 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 Outer-diameter (jacket) 4,8 mm	Amount stranding	1
wire arrangement brown, black, blue, white, green-yellow  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free  Outer-diameter (jacket) 4,8 mm	Stranding	5 wires around Core filler twisted
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Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,8 mm	Cable weigth	41,8 g/m
Freedom from ingredients (jacket)  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket)  4,8 mm	Material jacket	
Outer-diameter (jacket) 4,8 mm	Shore hardness jacket	
	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Tolerance outer diameter (sheath) ± 5 %	Outer-diameter (jacket)	<u> </u>
	Toloroppo outer diameter (cheeth)	+ 5 %

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Material wire insulation	PP
Amount wires	5
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C   horizontal
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 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min