

M12 FEMALE 90°

PUR 12x0.25 GRAY, 15m

Female 90°

M12, 12-pole

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

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

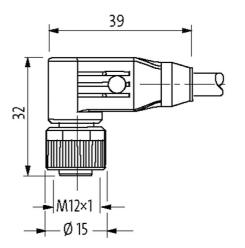
 $The \ resistance \ to \ aggressive \ media \ should \ be \ individually \ tested \ for \ your \ application. \ Further \ details \ on \ request.$

Further cable lengths on request.

Link to Product

Illustration





Product may differ from Image

Δ	n	n	r	n	v	a	ls
_	μ	μ	ш	v	u	u	

cCSAus

* only for products with UL/CSA approved cable

Form		
Form	19061	
General data		
Standards	DIN EN 61076-2-101 (M12)	
Temperature range	-25+85 °C, depending on cable quality	
Cables		
No./diameter of wires	12× 0.25 mm²	
Wire isolation	PP (br, bl, wh, gn, pk, ye, bk, gr, rd, vi, grpk, rdbl)	
C-track properties	3 Mio.	
Material (jacket)	PUR (UL/CSA)	



stay connected

Temperature range (fixed)	Outer Ø	6.9 mm ±5%
Page	Bend radius (moving)	15× outer Ø
Cable identification 901 UL (AVM-Sylva 2023310978), CSA approbation; CE	Temperature range (fixed)	-40+80 °C
Deproval (cable)	Temperature range (mobile)	-20+80 °C
Caubic weight [gim]	Cable identification	301
Material (wire)	Approval (cable)	UL (AWM-Style 20233/10978), CSA approbation; CE
Resistor (core) max. 76 Dkm (20 °C)	Cable weight [g/m]	69,30
Single wire Ø (core) 0.1 mm Construction (core) 32 × 0.1 mm (multi-strand wire class 6) Diameter (core) 12 × 0.25 mm² AWG similar to AWG 24 Material (wire Isolation) PP Material property (wire Isolation) CFC, halogen, cadmium, silicone- and lead-free Shore hardness (wire Isolation) 50 ± 5 D Wife © Incl. Isolation 1.25 mm ±5% Colorchumbering of viries br. 7, d.gr. bk, ye, pk, gn. wh. bl. rdbl, grpk, vi Stranding combination Twisted wires rdbl, grpk and vi, over it all other wires are twisted Shield no Material (jacket) PUR Shield no Material (jacket) 85 ± 5 A Duter-Ø (jacket) 85 ± 5 A Duter-Ø (jacket) gray Hermical resistance good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B) Vorninal voltage 300 V Test voltage 1500 V Current (back capacity b DN VDE 0298-4 Temperature range (fixed) 40480 °C Temperature range (fixed) 4080 °C	Material (wire)	Cu wire, bare
Construction (core) 32 × 0.1 mm (multi-strand wire class 6)	Resistor (core)	max. 76 Ω/km (20 °C)
Diameter (core) 12 × 0.25 mm²	Single wire Ø (core)	0.1 mm
Malerial (wire isolation)	Construction (core)	32× 0.1 mm (multi-strand wire class 6)
Material (wire isolation) PP Material (property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free More hardness (wire isolation) 50.95 D Wire-Olincil, isolation 1.25 mm ±5% Colorinumbering of wires br. rd. gr. bk, ye, pk, gn, wh, bl. rdbl, grpk, vi Stranding combination Twisted wires rdbl, grpk and vi, over it all other wires are twisted Sheld no Material (jacket) PUR Shore hardness (jacket) 65.55 A Outer-Ø (jacket) 6.9 mm ±5% Solor (jacket) 9.9 m ±5% Otor (jacket) 9 ray schemical resistance good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B) Nominal voltage 300 V Current load capacity to DIN VDE 0298.4 Comparature range (fixed) 40.40 °C Current load capacity to DIN VDE 0298.4 Temperature range (mobile) -20.40 °C Bend radius (moving) 15× outer Ø No. of bending cycles (C-track) max. 3 mic, (25 °C) Traversing distance (C-track) max. 3 mic, (25 °C) Traversing di	Diameter (core)	12× 0.25 mm²
Waterial property (wire isolation) CFC-, hatogen-, cadmium-, silicone- and lead-free Shore hardness (wire isolation) 50 ±5 D Wire-Qi Incl. isolation 1.25 mm ±5%. Colorinumbering of wires br. rd, gr. ky, kp., pk., gn., wh. bl., rdbl, grpk, vi Strandling combination Twisted wires rdbl, grpk and vi, over it all other wires are twisted Shield no Waterial (jacket) PUR Shore hardness (jacket) 85 ±5 A Outer-Ø (jacket) 6.9 mm ±5% Color (jacket) gray Hermical resistance good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B) Nominal voltage 300 V Test voltage 1500 V Current load capacity to DIN VDE 0298-4 Temperature range (fixed) 40480 °C Temperature range (fixed) 10 volter Ø Bend radius (fixed) 10 volter Ø Bend radius (moving) 15 volter Ø No. of bending optes (C-track) max. 3 Mio. (25 °C) Traversing distance (C-track) max. 2 m/s Acceleration (C-track) max. 10 m/s² Acceleration (C-tra	AWG	similar to AWG 24
Share hardness (wire isolation 1.25 mm ±5%	Material (wire isolation)	PP
Wire-Ø Incl. isolation 1.25 mm ±5% Color/numbering of wires br. rd. gr. bk. ye. pk. gn. wh. bl. rdbl. grpk. vi Stranding combination Twisted wires rdbl. grpk and vi. over it all other wires are twisted Sheld no Material (jacker) PUR Shore hardness (jacket) 85 ±5 A Outer-Ø (jacker) 6.9 mm ±5% Color (jacker) gray chemical resistance good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B) Nominal voltage 300 V Test voltage 1500 V Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -40+80 °C Send radius (fixed) 10 × outer Ø Bend radius (fixed) 10 × outer Ø Send radius (fixed) 10 × outer Ø No. of bending cycles (C-track) max. 3 Mio. (25 °C) Traversing distance (C-track) max. 3 m (porizontal) Traversing distance (C-track) max. 2 m/s Acceleration (C-track) max. 2 m/s Acceleration (C-track) max. 30 m/s² Jacket Color gray	Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Color/numbering of wires br, rd, gr, bk, ye, pk, gn, wh, bl, rdbl, grpk, vi Stranding combination Twisted wires rdbl, grpk and vi, over it all other wires are twisted Shield no Material (jacket) PUR Shore hardness (jacket) 85 ±5 A Outer-Ø (jacket) 6.9 mm ±5% Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B) Nominal voltage 300 V Test voltage 1500 V Current load capacity to DIN VDE 0298-4 Temperature range (fixed) 40+80 °C Temperature range (mobile) -20+80 °C Bend radius (fixed) 10 × outer Ø Bend radius (fixed) 10 × outer Ø Bend radius (fixed) 10 × outer Ø Bend radius (fixed) max. 3 Mio. (25 °C) Traversing distance (C-track) max. 3 Mio. (25 °C) Traversing distance (C-track) max. 5 m (horizontal) Travel speed (C-track) max. 2 m/s Acceleration (C-track) max. 10 m/s² Jacket Color gray	Shore hardness (wire isolation)	50 ±5 D
Stranding combination Twisted wires rdbl, grpk and vi, over it all other wires are twisted Shield no Material (jacket) PUR Shield 6.9 mm 45% Outer-Ø (jacket) 6.9 mm 45% Color (jacket) gray schemical resistance good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B) Nominal voltage 300 V Test voltage 1500 V Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -40+80 °C Temperature range (mobile) -20+80 °C Bend radius (fixed) 10× outer Ø Bend radius (moving) 15× outer Ø No. of bending cycles (C-track) max. 3 Mio. (25 °C) Traversing distance (C-track) max. 5 m (horizontal) Travel speed (C-track) max. 2 m/s Acceleration (C-track) max. 10 m/s² Jacket Color gray Technical Data Operating current per contact max. 10 m/s² Locking of ports Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing Compression gland <	Wire-Ø incl. isolation	1.25 mm ±5%
Stranding combination Twisted wires rdbl, grpk and vi, over it all other wires are twisted Shield no Material (jacket) PUR Shield 6.9 mm 45% Outer-Ø (jacket) 6.9 mm 45% Color (jacket) gray schemical resistance good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B) Nominal voltage 300 V Test voltage 1500 V Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -40+80 °C Temperature range (mobile) -20+80 °C Bend radius (fixed) 10× outer Ø Bend radius (moving) 15× outer Ø No. of bending cycles (C-track) max. 3 Mio. (25 °C) Traversing distance (C-track) max. 5 m (horizontal) Travel speed (C-track) max. 2 m/s Acceleration (C-track) max. 10 m/s² Jacket Color gray Technical Data Operating current per contact max. 10 m/s² Locking of ports Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing Compression gland <	Color/numbering of wires	br, rd, gr, bk, ye, pk, gn, wh, bl, rdbl, grpk, vi
Shield no Material (jacket) PUR Shore hardness (jacket) 85 ± 5 A Duter-Ø (jacket) 6.9 mm ±5% Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B) Nominal voltage 300 V Test voltage 1500 V Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -40+80 °C Bend radius (fixed) 10x outer Ø Bend radius (moving) 15x outer Ø No. of bending cycles (C-track) max. 3 Mio. (25 °C) Traversing distance (C-track) max. 3 Mio. (25 °C) Travel speed (C-track) max. 5 m (horizontal) Travel speed (C-track) max. 2 m/s Acceleration (C-track) max. 10 m/s² Deperating voltage max. 30 V AC/DC Operating voltage max. 30 V AC/DC Operating voltage max. 30 V AC/DC Operating voltage max. 10 m/s² Decking of ports Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing Commercial data <	Stranding combination	
Shore hardness (jacket) 85 ± 5 A Outer-Ø (jacket) 6.9 mm ±5% Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B) Nominal voltage 300 V Test voltage 1500 V Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -20+80 °C Bend radius (fixed) 10 × outer Ø Bend radius (moving) 15× outer Ø No. of bending cycles (C-track) max. 3 Mio. (25 °C) Traversing distance (C-track) max. 2 m/s Acceleration (C-track) max. 2 m/s Acceleration (C-track) max. 10 m/s² Jacket Color gray Technical Dat Operating current per contact max. 1.5 A Locking of ports Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing Compression gland M12 (SW13) Protection DE Commercial data Country of origin DE EAN 4048879292610 EAN 4048879292610 EAN 4048879292610 ECIRC MICRO ASSOLITE ASSOLIT	Shield	no
Shore hardness (jacket) 85 ± 5 A Duter-Ø (jacket) 6.9 mm ±5% Color (jacket) gray chemical resistance good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B) Nominal voltage 300 V Test voltage 1500 V Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -40+80 °C Bend radius (fixed) 10 × outer Ø Bend radius (fixed) 10 × outer Ø No. of bending cycles (C-track) max. 3 Mio. (25 °C) Traversing distance (C-track) max. 5 m (horizontal) Traversing distance (C-track) max. 10 m/s² Acceleration (C-track) max. 3 V AC/DC Operating voltage max. 30 V AC/DC Operating current per contact max. 1.5 A Locking of ports Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing Compercial data country of origin DE Country of origin DE	Material (jacket)	PUR
Schemical resistance gray	Shore hardness (jacket)	85 ±5 A
Section Sect	Outer-Ø (jacket)	6.9 mm ±5%
Section Sect	Color (jacket)	gray
Test voltage 1500 V Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -40+80 °C Temperature range (mobile) -20+80 °C Bend radius (fixed) 10× outer Ø Bend radius (fixed) 15× outer Ø No. of bending cycles (C-track) max. 3 Mio. (25 °C) Traversing distance (C-track) max. 5 m (horizontal) Travel speed (C-track) max. 1 m/s² Jacket Color gray Technical Data Operating outrent per contact max. 1.5 A Locking of ports Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing Compression gland M12 (SW13) Protection (P65, IP66K, IP67 inserted and tightened (EN 60529) Commercial data Country of origin DE EAN 4048879292610 aClass 2727918	chemical resistance	
Test voltage	Nominal voltage	300 V
Temperature range (fixed) -40+80 °C Temperature range (mobile) -20+80 °C Bend radius (fixed) 10× outer Ø Bend radius (moving) 15× outer Ø Bend radius (moving) 15× outer Ø No. of bending cycles (C-track) max. 3 Mio. (25 °C) Traversing distance (C-track) max. 5 m (horizontal) Travel speed (C-track) max. 2 m/s Acceleration (C-track) max. 10 m/s² Jacket Color gray Technical Data Deparating voltage max. 30 V AC/DC Deparating current per contact max. 1.5 A Locking of ports Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing Compression gland M12 (SW13) Protection IP65, IP66K, IP67 inserted and tightened (EN 60529) Commercial data country of origin DE customs tariff number 85444290 EAN 4048879292610 aClass 27279218	Test voltage	1500 V
Temperature range (mobile) -20+80 °C Bend radius (fixed) 10× outer Ø Bend radius (moving) 15× outer Ø No. of bending cycles (C-track) max. 3 Mio. (25 °C) Traversing distance (C-track) max. 5 m (horizontal) Travel speed (C-track) max. 2 m/s Acceleration (C-track) max. 10 m/s² Jacket Color gray Technical Data Operating outrent per contact max. 1.5 A Locking of ports Compression gland M12 (SW13) Protection IP65, IP66K, IP67 inserted and tightened (EN 60529) Commercial data Decustoms tariff number 85444290 EAN 4048879292610 accelerations (C-track) 10× outer Ø ax. 3 Mio. (25 °C) max. 2 m/s max. 2 m/s max. 2 m/s max. 10 m/s² Max. 2 m/s max. 10 m/s² Max. 2 m/s max. 10 m/s² Max. 2 m/s Max. 2 m	Current load capacity	to DIN VDE 0298-4
Bend radius (fixed) 10× outer Ø Bend radius (moving) 15× outer Ø No. of bending cycles (C-track) max. 3 Mio. (25 °C) Traversing distance (C-track) max. 5 m (horizontal) Travel speed (C-track) max. 10 m/s² Jacket Color gray Technical Data Operating ourrent per contact max. 1.5 A Locking of ports Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing Compression gland M12 (SW13) Protection IP65, IP66K, IP67 inserted and tightened (EN 60529) Commercial data Decustoms tariff number 85444290 EAN 4048879292610 eClass 27279218	Temperature range (fixed)	-40+80 °C
### Bend radius (moving) 15 x outer Ø No. of bending cycles (C-track) max. 3 Mio. (25 °C) Traversing distance (C-track) max. 5 m (horizontal) Travel speed (C-track) max. 2 m/s Acceleration (C-track) max. 10 m/s² Jacket Color gray Technical Data **Departing voltage** **Departing current per contact** **Departing current per contact** **Departing of ports** **Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing **Compression gland** **M12 (SW13)** Protection** ### DE **Commercial data** **Country of origin** DE **Description** **Description** **Description** **Description** DE **Screw thread (M12×1 mm) recommended (EN 60529)** **Commercial data** **Country of origin** DE **Description** **Description	Temperature range (mobile)	-20+80 °C
Mo. of bending cycles (C-track) max. 3 Mio. (25 °C) Traversing distance (C-track) max. 2 m/s Acceleration (C-track) max. 10 m/s² Jacket Color Technical Data Operating voltage max. 30 V AC/DC Operating current per contact max. 1.5 A Locking of ports Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing Compression gland M12 (SW13) Protection IP65, IP66K, IP67 inserted and tightened (EN 60529) Commercial data country of origin DE customs tariff number 85444290 EAN 4048879292610 eClass 27279218	Bend radius (fixed)	10× outer Ø
Traversing distance (C-track) max. 5 m (horizontal) Travel speed (C-track) max. 2 m/s Acceleration (C-track) max. 10 m/s² Jacket Color gray Technical Data Operating voltage max. 30 V AC/DC Operating current per contact max. 1.5 A Locking of ports Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing Compression gland M12 (SW13) Protection IP65, IP66K, IP67 inserted and tightened (EN 60529) Commercial data country of origin DE customs tariff number 85444290 EAN 4048879292610 eClass 27279218	Bend radius (moving)	15× outer Ø
Travel speed (C-track) Max. 2 m/s Acceleration (C-track) Max. 10 m/s² Jacket Color gray Technical Data Operating voltage Max. 30 V AC/DC Operating current per contact Max. 1.5 A Locking of ports Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing Compression gland M12 (SW13) Protection IP65, IP66K, IP67 inserted and tightened (EN 60529) Commercial data country of origin DE customs tariff number 85444290 EAN 4048879292610 27279218	No. of bending cycles (C-track)	max. 3 Mio. (25 °C)
Acceleration (C-track) max. 10 m/s² Jacket Color gray Technical Data Operating voltage max. 30 V AC/DC Operating current per contact max. 1.5 A Locking of ports Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing Compression gland M12 (SW13) Protection IP65, IP66K, IP67 inserted and tightened (EN 60529) Commercial data country of origin DE customs tariff number 85444290 EAN 4048879292610 eClass 27279218	Traversing distance (C-track)	max. 5 m (horizontal)
Jacket Color gray Technical Data Operating voltage max. 30 V AC/DC Operating current per contact max. 1.5 A Locking of ports Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing Compression gland M12 (SW13) Protection IP65, IP66K, IP67 inserted and tightened (EN 60529) Commercial data country of origin DE customs tariff number 85444290 EAN 4048879292610 eClass 27279218	Travel speed (C-track)	max. 2 m/s
Technical Data Operating voltage max. 30 V AC/DC Operating current per contact max. 1.5 A Locking of ports Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing Compression gland M12 (SW13) Protection IP65, IP66K, IP67 inserted and tightened (EN 60529) Commercial data country of origin DE customs tariff number 85444290 EAN 4048879292610 eClass 27279218	Acceleration (C-track)	max. 10 m/s²
Departing voltage max. 30 V AC/DC Operating current per contact max. 1.5 A Locking of ports Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing Compression gland M12 (SW13) Protection IP65, IP66K, IP67 inserted and tightened (EN 60529) Commercial data country of origin DE customs tariff number 85444290 EAN 4048879292610 eClass 27279218	Jacket Color	gray
Operating voltage max. 30 V AC/DC Operating current per contact max. 1.5 A Locking of ports Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing Compression gland M12 (SW13) Protection IP65, IP66K, IP67 inserted and tightened (EN 60529) Commercial data Country of origin DE Customs tariff number 85444290 EAN 4048879292610 eClass 27279218		
Operating current per contact max. 1.5 A Locking of ports Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing Compression gland M12 (SW13) Protection IP65, IP66K, IP67 inserted and tightened (EN 60529) Commercial data country of origin DE customs tariff number 85444290 EAN 4048879292610 eClass 27279218		may 20 V AC/DC
Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing Compression gland M12 (SW13) Protection IP65, IP66K, IP67 inserted and tightened (EN 60529) Commercial data country of origin DE customs tariff number 85444290 EAN 4048879292610 eClass 27279218		
Compression gland M12 (SW13) Protection IP65, IP66K, IP67 inserted and tightened (EN 60529) Commercial data Country of origin DE Customs tariff number 85444290 EAN 4048879292610 eClass 27279218		
Protection IP65, IP66K, IP67 inserted and tightened (EN 60529) Commercial data country of origin DE customs tariff number 85444290 EAN 4048879292610 eClass 27279218		
Commercial data country of origin DE customs tariff number 85444290 EAN 4048879292610 eClass 27279218		
country of origin DE customs tariff number 85444290 EAN 4048879292610 eClass 27279218	FTOLECTION	IPOD, IPODK, IPO/ INSERIEG and tigntened (EN 60529)
EAN 4048879292610 eClass 27279218		
EAN 4048879292610 eClass 27279218	country of origin	DE
eClass 27279218	customs tariff number	85444290
	EAN	4048879292610
Packaging unit 1	eClass	27279218
	Packaging unit	1

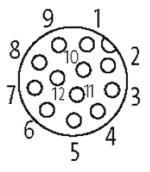


stay connected

Sketch

1 2 7	brown
2 5	blue
! i	white
3 2	green
4 >	
نے د	pink
1,	
! 6 >	yellow
17 2	black
! ' - !	gray
! 8 > - 	81
نے وا	red
1	violet
j 10 > +	
! 11 >	gray/pink
13.5	red/blue
12 >	

Female



Product may differ from Image