

M12 female 0° A-cod. with cable

PUR 12x0.14 bk UL/CSA+drag ch. 3m

Female straight

M12, 12-pole

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

with cable sleeves

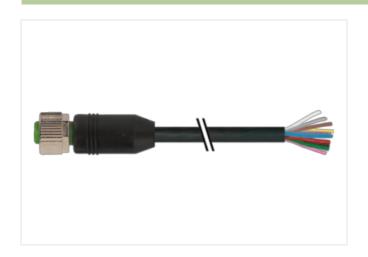
Plastic housings with good resistance against chemicals and oils.

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

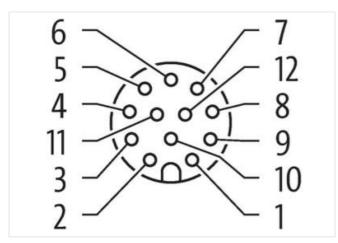
Further cable lengths on request.

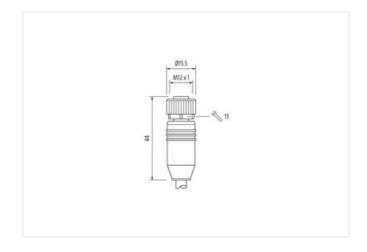
Link to Product

Illustration



 BN	
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Product may differ from Image











Cable length

3 m

Side 1

Tightening torque

0,6 Nm

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-18



stay connected

Material PUR Material PUR	Mounting method	inserted, screwed
Mearal PUR Width across fats SW13 SW13 SW13 SW14	Family construction form	M12
Width across flats SW13 Degree of princision (EN IEC 80529) IPS6, IPS6K, IPS7 Commercial date Commercial date ECLASS 4.0 27279218 ECLASS 4.1 27279218 ECLASS 5.0 27279218 ECLASS 5.0 27279218 ECLASS 5.10.1 27060311 ECLASS 5.10.1 27060311 ECLASS 5.10.0 27060311 ECLASS 5.10.1 27060311 ECLASS 5.10.0 27060311 ECLASS 5.20.0 27060311 Electrical data [Supple of Commercial Commercial Commercial Commercial Commercial Commercial C	Coding	A
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endangered by excessive bending forces. Conformity	Note on strain relief	
	Note on bending radius	
Product standard DIN EN 61076-2-101 (M12)	Conformity	
	Product standard	DIN EN 61076-2-101 (M12)



stay connected

Table deterification Tops T	Installation Cable	
Table deterification Tops	wire arrangement	gray-pink, violet, red-blue, (brown, red, gray, black, yellow, pink, green, white, blue)
Figure of Certificate cultures Incomit standing 1 Incomit standing (type 2) Incomit standing (type	Cable identification	
Figure of Certificate cultures Incomit standing 1 Incomit standing (type 2) Incomit standing (type	Jacket Color	black
Amount stranding 1 Shararding 3 wires twisted 3 Amount stranding (type 2) 1 Shararding (type 2) 9 wires around Stranding combination counter-rotating twisted 3 Audring Fleece 9 Asharding Fleece 9 Asharding Fleece 9 Asharding (type 2) 9 wires around Stranding combination counter-rotating twisted 3 Asharding Fleece 9 Asharding (type 2) 9 wires around Stranding combination counter-rotating twisted 3 Asharding (type 2) 9 Ashardin		
Stranding (type 2) 1 Stranding (type 2) 9 wires around Stranding combination counter-rotating twisted Fisce Fleece (transport of the stranding form) Fleece (tr		1
Stranding (type 2) 1		3 wires twisted
Stranding (type 2) 9 wires around Stranding combination counter-rotating twisted Fleece wire arrangement gray-pink, violet, red-blue, (brown, red, gray, black, yellow, pink, green, white, blue) Zable weight 45,1 g/m Atterdal jacket PUR Thore hardness jacket 92 ± 5 Shore A Freedom from ingredients ((sacket)) lead-free, candinium-free, CFC-free, halogen-free, silicone-free Jouer-diameter (sacket) 6 mm Floetorance outer diameter (shoath) 70 ± 5 % Atterdal wire insulation PP Mount wires 12 2 Juter diameter insulation PP Mount wires 12 2 Juter diameter (shoath) 1 mm Juder diameter (shoath) 2 ± 3 Shore D Ingredient freeness wire insulation 1 mm Juder diameter (shoath) 1 mm Juder diameter (shoath) 2 ± 3 Shore D Juder diameter (shoath) 3 ± 5 % Stranded copper wire, bare Jouer of conductor wire Jouer of conductor		
Sandring Fleece wire arrangement gray-pink, violet, red-blue, (brown, red, gray, black, yellow, pink, green, white, blue) able weight 45,1 g/m 45,1		9 wires around Stranding combination counter-rotating twisted
Cable weigth 45.1 g/m Alterial jacket PUR Alterial jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter diameter (jacket) 6 mm Olderance outer diameter (sheath) 5 % Material wire insulation PP Amount wires 12 Duter diameter tolerance core insulation 1 mm Duter diameter tolerance core insulation 2 % Shore bardness wire insulation 72 ± 3 Shore D Shore bardness wire insulation 18 Amount strands (wire) 18 Diameter of single wires 0,1 mm Outlockfor crosssection (wire) 0,14 mm² Adarral conductor wire Stranded copper wire, bare Stranded copper wire, bare 2 A Surrent load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire wire) 1,5 kV @ 60 s Current load capacity (wire wire) 1,5 kV @ 60 s Operating temperature (static) -40 °C A		
Material jacket PUR		
Shore hardness jacket 92 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		· · · · · · · · · · · · · · · · · · ·
lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
Duter-diameter (jacket) 6 mm Folorance outer diameter (sheath) ± 5 % Adrendar wire insulation PP Amount wires 12 Duter diameter insulation 1 mm Object ediameter insulation 2 ± 3 Shore D Shore hardness wire insulation 180 Amount strands (wire) 18 Amount strands (wire) 18 Amount strands (wire) 0,1 mm Conductor or crosssection (wire) 0,1 mm Conductor wire Stranded coper wire, bare Conductor (wire) stranded caper wire, bare Conductor by (wire) strand class 6 Nominal vollage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire) 1,5 kV @ 60 s Cever frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Cever frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Operating temperature (ixed) 85 °C Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Oli Fesistance	<u> </u>	
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Material wire insulation PP Amount wires 12 Quiter diameter insulation 1 mm Duter diameter forerance core insulation 2 5 % Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation 18 Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,14 mm² 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 (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 1,5 kV @ 60 s AC withstand voltage (wire - wire) 1,5 kV @ 60 s AC withstand voltage (wire - wire) 1,5 kV @ 60 s Objectating temperature (fixed) 85 °C Opperating temperature (mixed) 85 °C Opperating temperature max. (dynamic) 25 °C Opperating temperature max. (dynamic) 85 °C Direction related testing 0 IN EN ISO 4892-2 A	* '	
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Duter diameter insulation 1 mm Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,14 mm² Adaterial conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Vominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity wini. wire 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Ower frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Wirio. operating temperature (static) 40 °C Awa. operating temperature (ifixed) 85 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 85 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic)		
Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation 18 Diameter of single wires 0,1 mm Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,14 mm² 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 (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Ower frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Win. operating temperature (static) -40 °C Wax. operating temperature (incod) 85 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 85 °C Dyrestiance DIN EN ISO 4892-2 A Elemer resistance U. 1 581 § 1100 FT2 IEC 60332-2-2 U. 1 581 § 1090 </td <td></td> <td></td>		
Shore hardness wire insulation 72 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor crosssection (wire) 3,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity (standard) Current load capacity min. wire 2 A Clicotrical resistance line constant wire 1,5 kV @ 60 s 3,5 kV @ 60 s 4,0 °C Max. operating temperature (static) JOPerating temperature (fixed) 85 °C JOPerating temperature min. (dynamic) 25 °C JOPerating temperature max. (dynamic) 5,5 kV @ 60 s Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Sending resistance Good, application-related testing Gasoline resistance Good, application-related testing Gending radius (fixed) 7,5 x Outer diameter Sending radius (dynamic) 10 x Outer diameter Sending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traver sing distance (C-track) 5 m @ 25 °C Traver sing distance (C-track) 5 m @ 25 °C Traver sing distance (C-track) 5 m @ 25 °C Traver sing distance (C-track) 5 m @ 25 °C Traver sing distance (C-track) 5 m @ 25 °C Traver sing distance (C-track) 5 m @ 25 °C Traver sing distance (C-track) 5 m @ 25 °C Traver sing distance (C-track) 5 m @ 25 °C Traver sing distance (C-track) 6 of torsion stress ± 180 */m		
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Conductor crosssection (wire) 0,14 mm² 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 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - acket) 1,5 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 85 °C Operating temperature max. (dynamic) 25 °C Departing temperature max. (dynamic) 85 °C Vi resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Hemical resistance Good, application-related testing Diresistance Good, application-related testing Diresistance Good, application-related testing DIN EN 60811-404 3ending radius (fixed) 7,5 × Outer diameter Sending radius (gynamic) 10 × Outer diameter Vo. of bending cycl		
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Electrical resistance line constant wire AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - acket) 1,5 kV @ 60 s 1,5 kV @ 60 s		
AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - acket) 1,5 kV @ 60 s 10	· · ·	
Power frequency withstand voltage (wire - acket) Min. operating temperature (static) Max. operating temperature (fixed) 85 °C Deparating temperature min. (dynamic) -25 °C Deparating temperature max. (dynamic) 85 °C Deparating temperature max. (dynamic) 85 °C Din En ISO 4892-2 A Flame resistance DIN En ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C Travel speed (C-track) 2 Mio. 6 Torsion stress ± 180 °/m		
Acket) Min. operating temperature (static) Max. operating temperature (fixed) 85 °C Deparating temperature min. (dynamic) 25 °C Deparating temperature max. (dynamic) 85 °C Deparating temperature max. (dynamic) 85 °C DIN EN ISO 4892-2 A Flame resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Schemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 7 m @ 25 °C Fraversing distance (C-track) 5 m @ 25 °C Fravel speed (C-track) 3,3 m/s @ 25 °C Fravel speed (C-track) 3,3 m/s @ 25 °C Fravel speed (C-track) 5 m @ 25 °C Fravel speed (C-track) 1 180 °/m		1,5 kV @ 60 s
Max. operating temperature (fixed) Departing temperature min. (dynamic) Departing temperature min. (dynamic) Departing temperature max. (dynamic) Soc C DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Basoline resistance Good, application-related testing Dil resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Fraver sing distance (C-track) 5 m @ 25 °C Fraver speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Forsion stress ± 180 °/m	Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
Operating temperature min. (dynamic) 25 °C Operating temperature max. (dynamic) 85 °C JV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Fraversing distance (C-track) 5 m @ 25 °C Fravel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Forsion stress ± 180 °/m	Min. operating temperature (static)	-40 °C
Din En ISO 4892-2 A Flame resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Rending radius (fixed) 7,5 x Outer diameter Rending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Fraversing distance (C-track) 5 m @ 25 °C Fravel speed (C-track) 3,3 m/s @ 25 °C Fravel speed (C-track) No. of torsion cycles ± 180 °/m	Max. operating temperature (fixed)	85 °C
DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Gending radius (fixed) 7,5 x Outer diameter Gending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Fraversing distance (C-track) 5 m @ 25 °C Fravel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles ± 180 °/m	Operating temperature min. (dynamic)	-25 °C
Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Fraversing distance (C-track) 5 m @ 25 °C Fravel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Forsion stress ± 180 °/m	Operating temperature max. (dynamic)	85 °C
Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Gending radius (fixed) 7,5 x Outer diameter Gending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Gresion stress ± 180 °/m	UV resistance	
Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Cood, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. 10 x Outer diameter 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	chemical resistance	Good, application-related testing
Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Fraversing distance (C-track) 5 m @ 25 °C Fravel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Forsion stress ± 180 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Fraversing distance (C-track) 5 m @ 25 °C Fravel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Forsion stress ± 180 °/m	Oil resistance	Good, application-related testing DIN EN 60811-404
No. of bending cycles (C-track) 2 Mio. @ 25 °C Fraversing distance (C-track) 5 m @ 25 °C Fravel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Forsion stress ± 180 °/m	Bending radius (fixed)	7,5 x Outer diameter
Fraversing distance (C-track) 5 m @ 25 °C Fravel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Forsion stress ± 180 °/m	Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	No. of bending cycles (C-track)	2 Mio. @ 25 °C
No. of torsion cycles 2 Mio. Forsion stress ± 180 °/m	Traversing distance (C-track)	5 m @ 25 °C
Forsion stress ± 180 °/m	Travel speed (C-track)	3,3 m/s @ 25 °C
	No. of torsion cycles	2 Mio.
Forsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min