

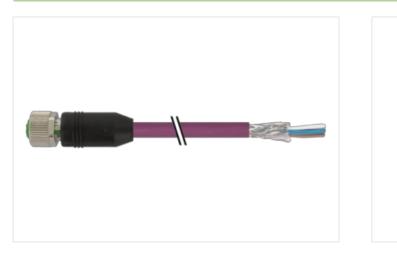
## M12 female 0° B-cod. with cable shielded

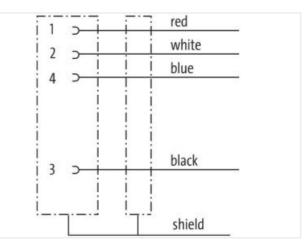
PUR AWG24+22 shielded vt UL/CSA+drag ch. 7m

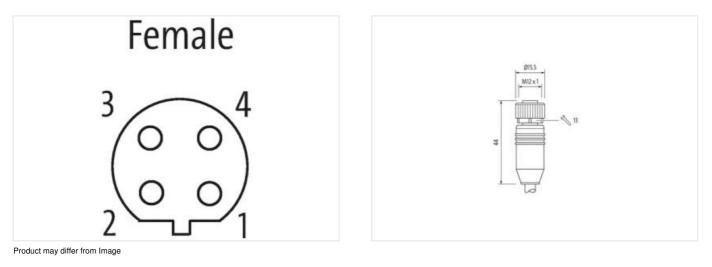
Female straight M12, 4-pole B-coded shielded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product









 Cable length
 7 m

 Side 1
 7

 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: 2024-04-16

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Thread         M12 x 1           Coding         B           Material         PUR           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP67 <b>Commercial data</b> ECLASS-6.0           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-1.1         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879198547           Packaging unit         1           Electrical data   Supply <td< th=""><th>Mounting method</th><th>inserted, screwed</th></td<>	Mounting method	inserted, screwed
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ECLASS-12.0     27060307       ETIM-5.0     EC001855       castoms taiff number     8544290       GTIN     4048879198647       Packaging unit     1       Electrical data   Supply     0       Operating voltage AC max.     60 V       Operating voltage AC max.     60 V       Operating voltage AC max.     60 V       Operating voltage AC (UL-listed)     30 V       Current operating por contact max.     4 A       Instaliation   Connection     utal x 1       Device protection   Electrical     Matt x 1       Device protection   Genectical     instruct, serwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (EC 60664-1)     1       Mechanical data   Material data       Mechanical data   Material data       Locking material     Zinc dio-casting       Material serw connection     Zinc dio-casting       Material serw connection     Insel dia casting       Material serw connection I inserted, serwed, Shaking protection       Enderson     Zinc dio-casting       Material serw connection     Zinc dio-casting       Material serw connection     Zinc dio-casting       Material serw connection I inserted, serwed, Shaking protection       Enderson     Zinc dio-casting	ECLASS-10.1	27060307
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GTIN     4048879198547       Packaging unit     1       Electrical data   Supply        Operating voltage AC max.     60 V       Operating voltage AC max.     60 V       Operating voltage AC max.     60 V       Operating voltage AC (UIsted)     30 V       Current operating page contact max.     4 A       Installation I Connection        Mounting set     M12 x 1       Device protection   Electrical        Additional condition protection degree     inserted, screwed       Pollution Degree     3       Reade surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data        Contor of corrugated hose     without       Mechanical data        Coating locking material     Xinckeled       Coating locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Metharial chala (I Mounting data        Metharial screw connection     Sin S''C       Additional condition temperature max.     85 ''C       Additional condition temperature range     depending on cable quality       Contornity        Product standard     Din Kenedito </td <td>ETIM-5.0</td> <td>EC001855</td>	ETIM-5.0	EC001855
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Mounting set         M12 x 1           Device protection   Electrical         inserted, screwed           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data         vithout           Mechanical data         without           Contour for corrugated hose         without           Coating of fitting         Nickeled           Coating of fitting         Nickel plated           Locking material         Zinc clie-casting           Material screw connection         Zinc die-casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Sing           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable qualify           Portorential         Sing Ciasting           Additional condition temperature range         depending on cable qualify	Current operating per contact max.	4 A
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Mechanical data           Contour for corrugated hose         without           Mechanical data   Material data         International data   Material data           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Mounting method         inserted, screwed, Shaking protection           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         UN EN 61076-2-101 (M12)		
Contour for corrugated hose       without         Mechanical data   Material data       Nickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Vincele, screwed, Shaking protection         Environmental characteristics   Climatic       Volumenter         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Product standard       DIN EN 61076-2-101 (M12)		
Mechanical data   Material data           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         -25 °C           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         UN EN 61076-2-101 (M12)		without
Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Conformity       DIN EN 61076-2-101 (M12)		
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Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting method         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Conformity       DIN EN 61076-2-101 (M12)		
Material screw connection       Zinc die-casting         Mechanical data   Mounting data       inserted, screwed, Shaking protection         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Conformity		
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       Conformity     Product standard       Pinduct standard     DIN EN 61076-2-101 (M12)		
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Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Conformity       Product standard       DIN EN 61076-2-101 (M12)		inserted, screwed. Shaking protection
Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity        Product standard     DIN EN 61076-2-101 (M12)	-	
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity        Product standard     DIN EN 61076-2-101 (M12)	· ·	
Additional condition temperature range     depending on cable quality       Conformity        Product standard     DIN EN 61076-2-101 (M12)		
Conformity       Product standard     DIN EN 61076-2-101 (M12)		
Product standard DIN EN 61076-2-101 (M12)		
Installation   Cable		DIN EN 61076-2-101 (M12)
	Installation   Cable	

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	803
Cable identification	
Jacket Color	violet
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	2 Stranded joints twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	65 %
Banding	Foil
Drain wire (cross-section)	22 AWG
wire arrangement	(white, blue), (black, red)
No. of bending cycles (C-track)	1 Mio.
Cable weigth	63,12 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)	6,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PE
Amount wires	2
Outer diameter insulation	
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	64 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	19
	24 AWG
Diameter of single wires	24 AWG
Conductor crosssection (wire)	
Drain wire (cross-section)	22 AWG
Material conductor wire	copper stranded wire, tinned
Electrical function wire	Data
Material wire insulation (Data)	PE
Outer diameter wire insulation (Data)	1,5 mm
Tolerance outer diameter wire insulation (data)	
Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
Amount wires (Data)	2
Amount strands wire (Data)	19
Diameter of single wires (Data)	22 AWG
Conductor crosssection wire (Data)	22 AWG
Material conductor wire (Data)	copper stranded wire, tinned
Electrical function wire (data)	Power
Traversing distance (C-track)	5 m
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Current load capacity min. Wire (Data)	6 A
Electrical function wire	Data
Electrical function wire (data)	Power
Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Electrical resistance line constant wire	78 Ω/km
Electrical resistance coating wire (Data)	54 Ω/km
Nominal voltage power AC max.	300 V
Electric capacitance (power)	40000 pF/km
AC withstand voltage power (wire - shield)	2 kV @ 60 s
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AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °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
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 30 °/m

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