

## M12 male 90° / M8 female 90° A-cod.

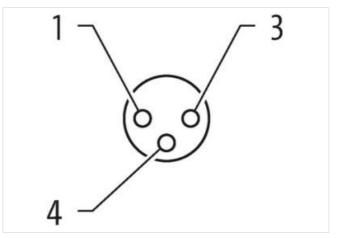
PUR 3x0.25 bk UL/CSA+drag ch. 2m

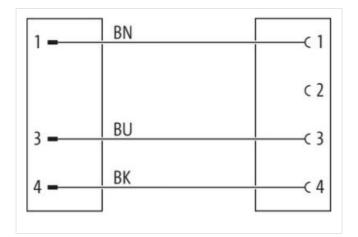
Male 90° – female 90° M12 – M8, 3-pole Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

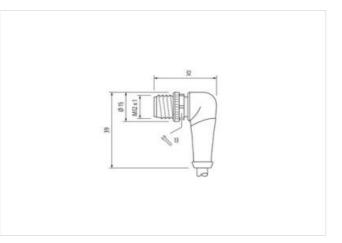
## Link to Product

## Illustration



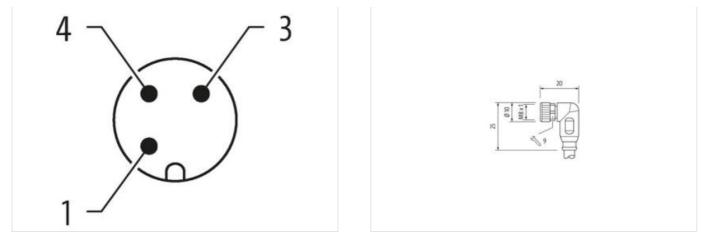






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-23





Product may differ from Image



Cable length	2 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
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Material	PUR
Width across flats	SW9
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	4048879293792
Packaging unit	1
Electrical data   Supply	

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: 2024-04-23



Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
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
Conformity	
Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Installation   Cable	
Cable identification	630
Cable Type	3
Cable Type Jacket Color	
Cable Type Jacket Color Type of Certificate	3 black
Cable Type Jacket Color	3 black cURus
Cable Type Jacket Color Type of Certificate Amount stranding	3 black cURus 1
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	3   black   cURus   1   3 wires twisted   brown, black, blue
Cable Type   Jacket Color   Type of Certificate   Amount stranding   Stranding   wire arrangement   No. of bending cycles (C-track)	3   black   cURus   1   3 wires twisted   brown, black, blue   10 Mio. @ 25 °C
Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	3   black   cURus   1   3 wires twisted   brown, black, blue
Cable Type   Jacket Color   Type of Certificate   Amount stranding   Stranding   wire arrangement   No. of bending cycles (C-track)   Cable weigth	3   black   cURus   1   3 wires twisted   brown, black, blue   10 Mio. @ 25 °C   26,4 g/m   PUR
Cable Type   Jacket Color   Type of Certificate   Amount stranding   Stranding   wire arrangement   No. of bending cycles (C-track)   Cable weigth   Material jacket	3   black   cURus   1   3 wires twisted   brown, black, blue   10 Mio. @ 25 °C   26,4 g/m
Cable Type   Jacket Color   Type of Certificate   Amount stranding   Stranding   wire arrangement   No. of bending cycles (C-track)   Cable weigth   Material jacket   Shore hardness jacket	3   black   cURus   1   3 wires twisted   brown, black, blue   10 Mio. @ 25 °C   26,4 g/m   PUR   90 ± 5 Shore A
Cable Type   Jacket Color   Type of Certificate   Amount stranding   Stranding   wire arrangement   No. of bending cycles (C-track)   Cable weigth   Material jacket   Shore hardness jacket   Freedom from ingredients (jacket)	3   black   cURus   1   3 wires twisted   brown, black, blue   10 Mio. @ 25 °C   26,4 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Cable Type   Jacket Color   Type of Certificate   Amount stranding   Stranding   wire arrangement   No. of bending cycles (C-track)   Cable weigth   Material jacket   Shore hardness jacket   Freedom from ingredients (jacket)   Outer-diameter (jacket)	3   black   cURus   1   3 wires twisted   brown, black, blue   10 Mio. @ 25 °C   26,4 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   4,1 mm
Cable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)	3   black   cURus   1   3 wires twisted   brown, black, blue   10 Mio. @ 25 °C   26,4 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free   4,1 mm   ± 5 %
Cable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulation	3   black   cURus   1   3 wires twisted   brown, black, blue   10 Mio. @ 25 °C   26,4 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   4,1 mm   ± 5 %   PP
Cable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wires	3   black   cURus   1   3 wires twisted   brown, black, blue   10 Mio. @ 25 °C   26,4 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   4,1 mm   ± 5 %   PP   3
Cable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter insulation	3   black   cURus   1   3 wires twisted   brown, black, blue   10 Mio. @ 25 °C   26,4 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   4,1 mm   ± 5 %   PP   3   1,25 mm
Cable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationOuter diameter tolerance core insulation	3   black   cURus   1   3 wires twisted   brown, black, blue   10 Mio. @ 25 °C   26,4 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   4,1 mm   ± 5 %   PP   3   1,25 mm   ± 5 %
Cable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationShore hardness wire insulation	3   black   cURus   1   3 wires twisted   brown, black, blue   10 Mio. @ 25 °C   26,4 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   4,1 mm   ± 5 %   PP   3   1,25 mm   ± 5 %   70 ± 5 Shore D
Cable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationShore hardness wire insulationIngredient freeness wire insulation	3   black   cURus   1   3 wires twisted   brown, black, blue   10 Mio. @ 25 °C   26,4 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   4,1 mm   ± 5 %   PP   3   1,25 mm   ± 5 %   70 ± 5 Shore D   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Cable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationShore hardness wire insulationIngredient freeness wire insulationAmount strands (wire)	3   black   cURus   1   3 wires twisted   brown, black, blue   10 Mio. @ 25 °C   26,4 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   4,1 mm   ± 5 %   PP   3   1,25 mm   ± 5 %   70 ± 5 Shore D   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   3   1,25 mm   ± 5 %   70 ± 5 Shore D   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   32
Cable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationShore hardness wire insulationIngredient freeness wire insulationIngredient freeness wire insulationAmount strands (wire)Diameter of single wires	3   black   cURus   1   3 wires twisted   brown, black, blue   10 Mio. @ 25 °C   26,4 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   4,1 mm   ± 5 %   PP   3   1,25 mm   ± 5 %   70 ± 5 Shore D   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   3   1,25 mm   ± 5 %   70 ± 5 Shore D   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   32   0,1 mm
Cable TypeJacket ColorType of CertificateAmount strandingStrandingWire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationShore hardness wire insulationIngredient freeness wire insulationIngredient freeness wire insulationAmount strands (wire)Diameter of single wiresConductor crosssection (wire)	3   black   cURus   1   3 wires twisted   brown, black, blue   10 Mio. @ 25 °C   26,4 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   4,1 mm   ± 5 %   PP   3   1,25 mm   ± 5 %   70 ± 5 Shore D   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   3   1,25 mm   ± 5 %   70 ± 5 Shore D   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   32   0,1 mm   0,25 mm <sup>2</sup>
Cable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationShore hardness wire insulationIngredient freeness wire insulationIngredient freeness wire insulationAmount strands (wire)Diameter of single wiresConductor crosssection (wire)Material conductor wire	3   black   cURus   1   3 wires twisted   brown, black, blue   10 Mio. @ 25 °C   26,4 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   4,1 mm   ± 5 %   PP   3   1,25 mm   ± 5 %   70 ± 5 Shore D   lead-free, cadmium-free, CFC-free, halogen-free   3   1,25 mm   ± 5 %   70 ± 5 Shore D   lead-free, cadmium-free, CFC-free, halogen-free   32   0,1 mm   0,25 mm²   Stranded copper wire, bare
Cable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationShore hardness wire insulationIngredient freeness wire insulationIngredient freeness wire insulationAmount strands (wire)Diameter of single wiresConductor crosssection (wire)Material conductor wireConductor type (wire)	3   black   cURus   1   3 wires twisted   brown, black, blue   10 Mio. @ 25 °C   26,4 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   4,1 mm   ± 5 %   PP   3   1,25 mm   ± 5 %   70 ± 5 Shore D   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   32   0,1 mm   0,25 mm²   Stranded copper wire, bare   strand class 6
Cable TypeJacket ColorType of CertificateAmount strandingStrandingwire arrangementNo. of bending cycles (C-track)Cable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationShore hardness wire insulationShore hardness wire insulationDuter diameter tolerance core insulationShore hardness wire insulationIngredient freeness wire insulationAmount strands (wire)Diameter of single wiresConductor crosssection (wire)Material conductor wireConductor type (wire)Traversing distance (C-track)	3   black   cURus   1   3 wires twisted   brown, black, blue   10 Mio. @ 25 °C   26,4 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   4,1 mm   ± 5 %   PP   3   1,25 mm   ± 5 %   70 ± 5 Shore D   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   3   1,25 mm   ± 5 %   70 ± 5 Shore D   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   32   0,1 mm   0,25 mm²   Stranded copper wire, bare   strand class 6   10 m @ 25 °C   horizontal

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: 2024-04-23



Electrical resistance line constant wire	79 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s
AC withstand voltage power (wire - wire)	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 § 1090   UL 1581 § 1100 FT2   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
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m

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: 2024-04-23