

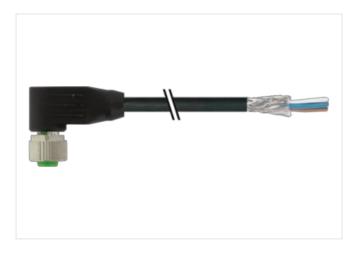
## M12 female 90° A-cod. with cable shielded

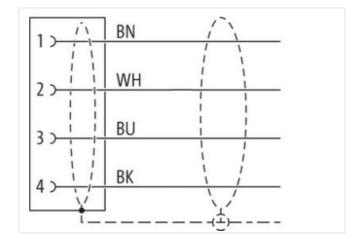
PUR 4x0.34 shielded bk UL/CSA+drag ch. 30m

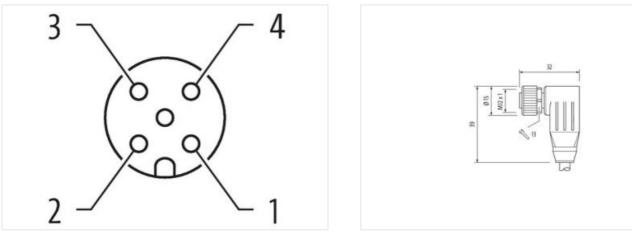
Female 90° M12, 4-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

30 m

0,6 Nm

Tightening torque

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Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
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
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879571753
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 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
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
	include any second
Additional condition protection degree Pollution Degree	inserted, screwed 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)
Installation   Cable	
Cable identification	641
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
mation in this Product-PDE has been compiled with the	

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Cable shielding (type)copper braid, tinnedCable shielding (coverage)80 %BandingFleece, Foilwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)5 Mio. @ 25 °CCable weigth50,6 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,3 mmTolerance outer diameter (sheath) $\pm 5 \%$ Material wire insulationPPArnount wires4Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation1.42 mmOuter diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeArnount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²
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Diameter of single wires 0,1 mm
Conductor crosssection (wire) 0.34 mm <sup>2</sup>
$\mathbf{v} = \mathbf{r}$
Material conductor wire Stranded copper wire, bare
Conductor type (wire) strand class 6
Traversing distance (C-track) 5 m @ 25 °C   horizontal
Current load capacity (standard) to DIN VDE 0298-4
Current load capacity min. wire 4,8 A
Electrical resistance line constant wire 57 Ω/km @ 20 °C
Nominal voltage power AC max. 300 V
AC withstand voltage power (wire - shield) 2 kV @ 60 s
Power frequency withstand voltage power (wire - jacket) 2 kV @ 60 s
AC withstand voltage power (wire - wire) 2 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 IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance Good, application-related testing
Gasoline resistance Good, application-related testing
Oil resistance DIN EN 60811-404   Good, application-related testing
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 ± 30 °/m

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