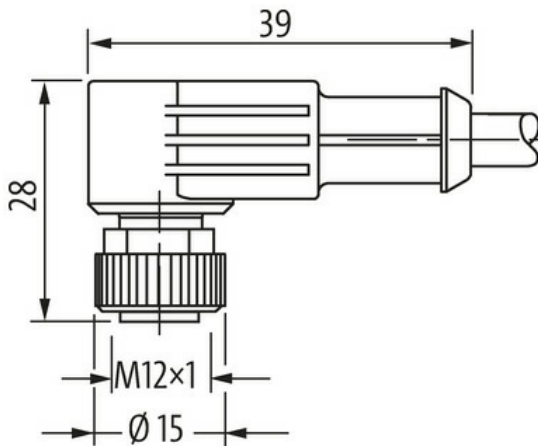
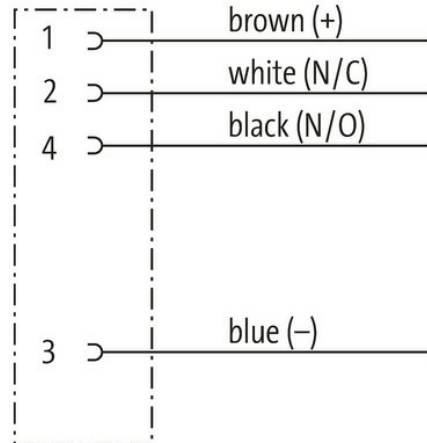


**M12 female 90° A-cod. with cable**

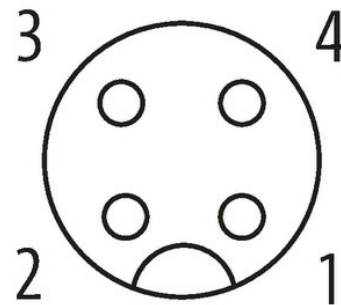
PUR 4x0.34 or UL/CSA+robot+drag ch. 7.5m

[Link to Product](#)

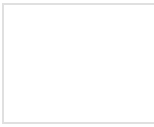
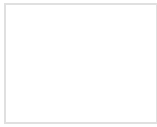
**Illustration**



**Female**



Product may differ from Image



\* only for products with UL/CSA approved cable



### Form

Form 12341

### Technical Data

Operating voltage max. 350 V AC/DC  
 Rated surge voltage 2.5 kV  
 No. of poles 4  
 Material group IEC 60664-1, category I

### General data

Mounting method inserted, tightened  
 Material (contact) Copper alloy  
 Material (contact surface) Au  
 Pollution Degree 3  
 Temperature range -25...85 °C, depending on cable quality

### Cables

No./diameter of wires 4x 0.34 mm<sup>2</sup>  
 Wire isolation PP (br, wh, bl, bk)  
 C-track properties 10 Mic  
 Outer Ø 4.7 mm ±5%  
 Cable identification 046  
 Cable Type 5 (PUR schweißfunkenbeständig)  
 Approval (cable) cURus (AWM-Style 20549/10493); CE conform  
 Cable weight [g/m] 36,3 g  
 Material (wire) Cu wire, bare  
 Resistor (core) max. 60 Ω/km (20 °C)  
 Single wire Ø (core) 0.1 mm  
 Construction (core) 42x 0.1 mm (multi-strand wire class 6)  
 Diameter (core) 4x 0.34 mm<sup>2</sup>  
 AWG similar to AWG 22  
 Material (wire isolation) PP  
 Material property (wire isolation) CFC-, halogen-, cadmium-, silicone- and lead-free  
 Shore hardness (wire isolation) 74 ±3 D  
 Wire-Ø incl. isolation 1.25 mm ±5%  
 Color/numbering of wires br, bk, bl, wh  
 Stranding combination 4 wires twisted  
 Shield no  
 Material (jacket) PUR  
 Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis-, microbial- and welding spark resistant  
 Shore hardness (jacket) 58 ±3 D  
 Outer-Ø (jacket) 4.8 mm ±5%  
 Color (jacket) orange  
 Cable labeling see frame delivery specifications 7000-00000-001  
 Jacket Color orange  
 chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404)  
 thermal resistance flame retardant UL, FT2, IEC 60332-1, IEC 60332-2-2, welding spark resistant  
 Nominal voltage 300 V AC  
 Test voltage 2500 V AC  
 Current load capacity to DIN VDE 0298-4

Temperature range (fixed)	-40...+80 °C
Temperature range (fixed)	-40...+80 °C, (+90 °C at max. 10 000 operating hours)
Temperature range (mobile)	-25...+80 °C
Temperature range (mobile)	-25...+80 °C, (+90 °C at max. 10 000 operating hours)
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	10× outer Ø
Bend radius (moving)	10× outer Ø
No. of bending cycles (C-track)	max. 10 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s <sup>2</sup>
Torsion stress	±360°/m
No. of torsion cycles	max. 1 Mio. (25 °C)
Torsion speed	35 cycles/min
Material (jacket)	PUR (UL/CSA), welding spark