

M12 male 0° / M12 female 0° A-cod. shielded

PUR 4x0.34 shielded bk UL/CSA 1m

Male straight – female straight
M12 – M12, 4-pole
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.

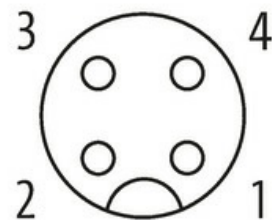
Further cable lengths on request.

[Link to Product](#)**Illustration**

Product may differ from Image

Male

Female





* only for products with UL/CSA approved cable

Form	
Form	40501
Technical Data	
Operating voltage	max. 60 V AC/DC
Operating voltage (only UL listed)	max. 30 V AC/DC
Operating current per contact	max. 4 A
Locking of ports	Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing
Compression gland	M12 (SW13)
Protection	IP65 and IP67 when plugged and screwed down (EN 60529)
Locking material	Zinc die casting, matte nickel plated
General data	
Standards	DIN EN 61076-2-101 (M12)
Temperature range	-25...+85 °C, depending on cable quality
Cables	
No./diameter of wires	4× 0.34 mm ²
Wire isolation	PP (br, wh, bl, bk)
Outer Ø	5.9 mm ±5%
Cable identification	728
Cable number	728
Approval (cable)	UL (AWM-Style 20233/1992), CSA; CE conform
Cable weight [g/m]	56,1 g
Material (wire)	Cu wire, bare
Resistor (core)	max. 57 Ω/km (20 °C)
Single wire Ø (core)	0.1 mm
Construction (core)	42× 0.1 mm (multi-strand wire class 6)
Diameter (core)	4× 0.34 mm ²
AWG	similar to AWG 22
Material (wire isolation)	PP
Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Shore hardness (wire isolation)	72 ±3 D
Wire-Ø incl. isolation	1.55 mm ±5%
Color/numbering of wires	br, bk, bl, wh
Stranding combination	4 wires twisted
Shield	yes
optical shield cover	min. 85%
Material (jacket)	PUR
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant
Shore hardness (jacket)	85 ±3 A
Outer-Ø (jacket)	5.9 mm ±5%
Color (jacket)	black
Jacket Color	black
chemical resistance	good resistance to oil, gasoline and chemicals (VDE 0472 Teil 803 Test B)
thermal resistance	flame retardant UL VW1, CSA FT1
Nominal voltage	300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-40...+80 °C

Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-20...+80 °C
Temperature range (mobile)	-20...+80 °C
Bend radius (fixed)	10× outer Ø
Bend radius (moving)	15× outer Ø
Bend radius (moving)	15× outer Ø
Material (jacket)	PUR (UL/CSA)

Commercial data

country of origin	DE
customs tariff number	85444290
EAN	4048879368735
eClass	27279218
Packaging unit	1.000