

Style
M12 Plug, shielded
4 pin
A-coding

Ratings
Voltage: 250 V
Current: 4 A

Operating Temperature Range
-40~105 °C

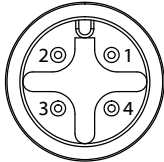
- Materials**
- ① Insulator: Polyamide 66 (PA66), UL94 HB, black
 - ② Pin: C3604 brass, gold plating
 - ③ Shell: C3604 brass, nickel plated
 - ④ Nut: C3604 brass, nickel plated
 - ⑤ O-ring: Silicone rubber
 - ⑥ Epoxy: Epoxy resin

Electrical Requirements
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 10 mΩ or less

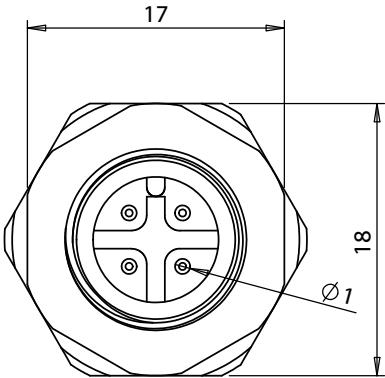
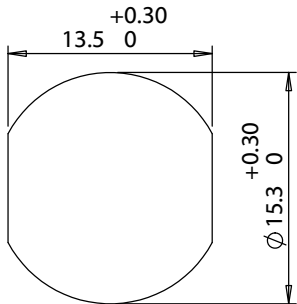
Mechanical Requirements
Life cycle: 500 mating cycles minimum

Environmental Requirements
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67

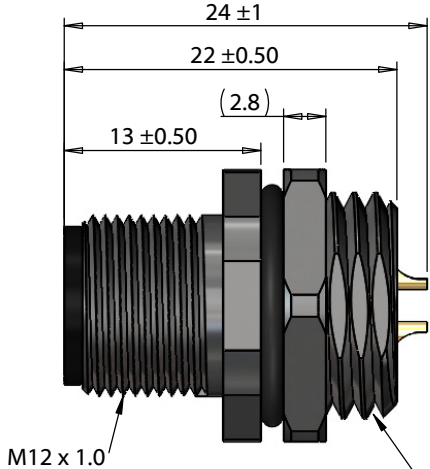
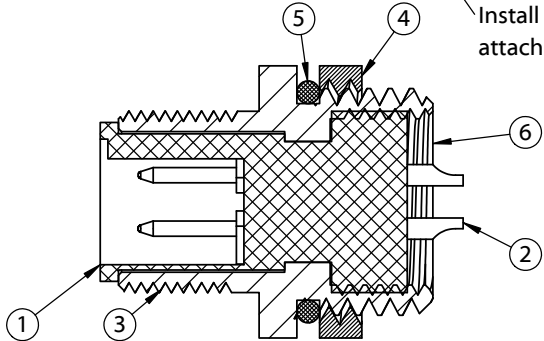
Assembly Info
Wire gauge: 22 AWG max



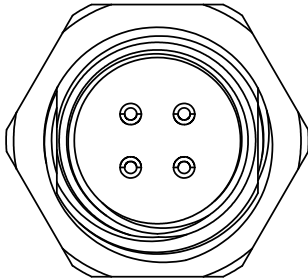
Front View
Not to Scale



Panel cutout (PG9)
Panel thickness (4.5mm max.)



SECTION A-A



Install from outside of the panel,
attach nut and tighten from within.

Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	10/1/2020	Initial release	CR Digitally signed by CR Date: 2026.06.04 15:12:38 -07'00'	RoHS compliant			
			Verified: KW Digitally signed by KW Date: 2026.07.28 15:47:35 -07'00'	Function test: no open, no short circuit, no intermittent	Size:	Part number:	
			Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Description: Connector, M12 A-code plug, 4 pin, 12xL24 mm, panel mount, solder cup, gold plated, IP67	A	54-00188	
					Scale: 2:1		Sheet 1 of 1

To see a custom version of this cable assembly, call Tensility at 541-323-3228 or email engineering@tensility.com