**Style**
M12 Plug, shielded
4 pin
A-coding

**Ratings**
Voltage: 250 V
Current: 4 A

**Operating Temperature Range**
-40~105 °C

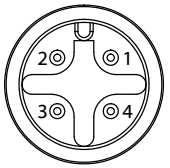
**Materials**
① Insulator: Polyamide 66 (PA66), UL94 HB, black
② Pin: C3604 brass, gold plating
③ Shell: C3604 brass, nickel plated
④ Nut: C3604 brass, nickel plated
⑤ O-ring: Silicone rubber
⑥ Epoxy: Epoxy resin

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

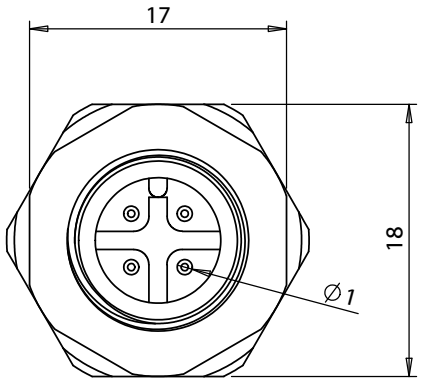
**Mechanical Requirements**
Life cycle: 500 mating cycles minimum

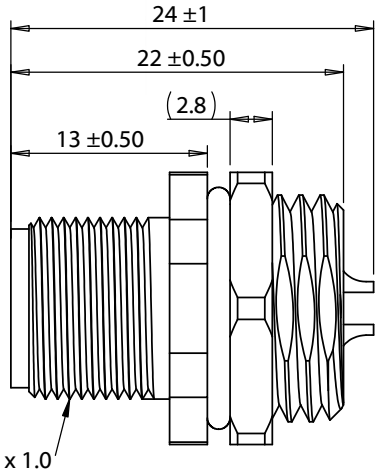
**Environmental Requirements**
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67

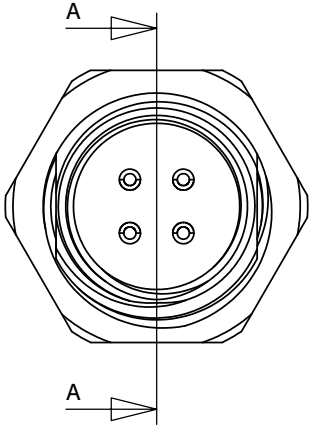
**Assembly Info**
Wire gauge: 22 AWG max

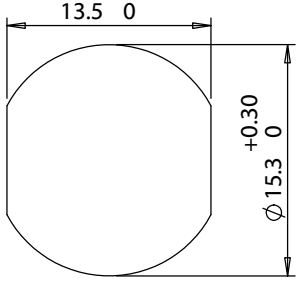


Front View
Not to Scale

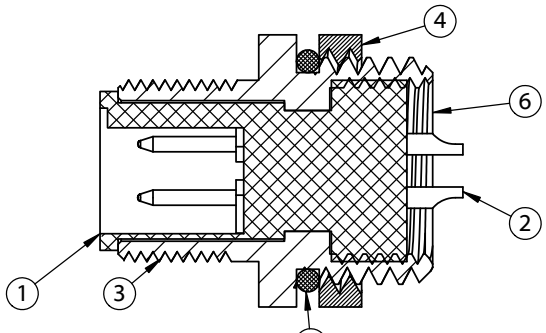


Panel cutout (PG9)
Panel thickness (4.5mm max.)



SECTION A-A

| Revision: | Date: | Description: |
|---|---|---|
| A | 10/1/2020 | Initial release |
| | | |
| | | |
| | | |
| | | |

Prepared: AL Digitally signed by AL Date: 2025.02.28 14:16:47 -08'00'

Verified: RR Digitally signed by RR Date: 2025.03.03 06:44:33 -08'00'

Dimensions are in millimeters.
Tolerances:
X: ± 0.3 mm
X.X: ± 0.1 mm
X.XX: ± 0.05 mm

Notes:
RoHS compliant
Function test: no open, no short circuit, no intermittent

Description:
Connector, M12 A-code plug, 4 pin, 12xL24 mm, panel mount, solder cup, gold plated, IP67


TENSILITY
tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com


Size: A
Part number: 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

5 4 3 2 1