**Style**
M8 Plug
8 pin
A-coding

**Ratings**
Voltage: 30 V
Current: 1 A
Ingress protection: IP67

**Materials**
(1) Insulator: Polyamide 66 (PA66), UL94 HB, black
(2) Shell: C3604 Brass, Nickel plated
(3) Pin: C3604 Brass, Gold flash

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

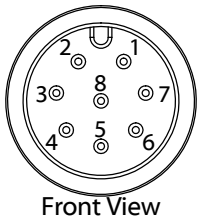
**Mechanical Requirements**
Life cycle: 1000 mating cycles

**Environmental Requirements**
Salt spray test: 35 °C, relative humidity 90 - 95%, 5% NaCl mist for 48 hrs.

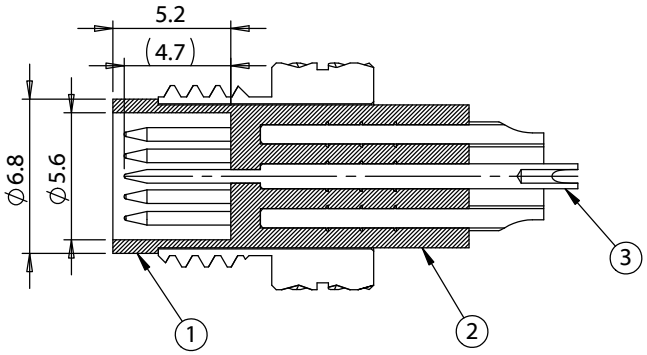
**Operating Temperature Range**
-40 ~ 105°C

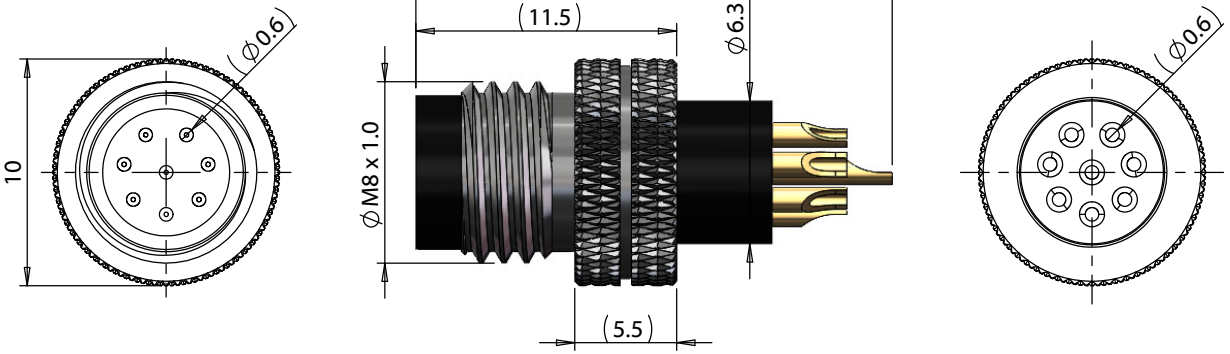
**Assembly Info**
Wire gauge: 26 AWG max





Front View
Not to Scale




| Revision: | Date: | Description: |
|---|---|---|
| A | 8/21/2025 | initial release |
| | | |
| | | |
| | | |
| | | |

Prepared: CR
Digitally signed by CR
Date: 2026.07.30 16:30:27 -07'00'

Verified:

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

Notes:
RoHS compliant

Description:
Connector, M8 A-code plug 8 pin, 8xL20.5 mm, molding style, 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: 50-01101
Scale: 3:1
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