

Style
M8 Plug, shielded
6 pin
A-coding

Ratings
Voltage: 30 V
Current: 3 A

Operating Temperature Range
-40~105 °C

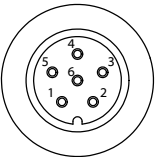
Materials
① Insulator: PA66, UL94, HB, black
② Pin: C3604 brass, gold flashing
③ Nut: C3604 brass, nickel plated
④ Shell: C3604 brass, nickel plated

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

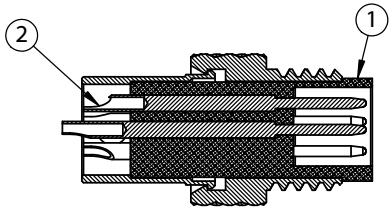
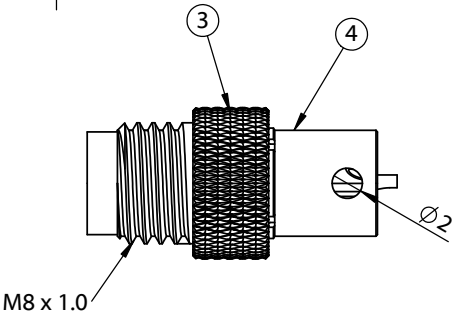
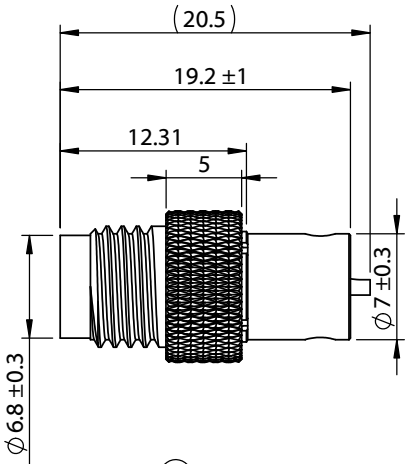
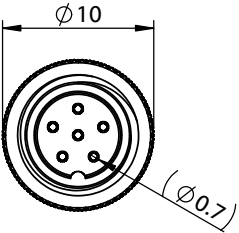
Mechanical Requirements
Life cycle: 1000 mating cycles minimum

Environmental Requirements
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67

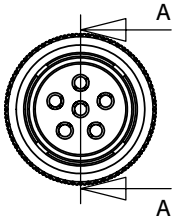
Assembly Info
Wire gauge: 26 AWG max



Front View
Not to Scale



SECTION A-A



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com	
A	12/21/2022	Initial release	Verified:	RoHS compliant Function test: no open, no short circuit, no intermittent		
			Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Description:	Size:	Part number:
				Connector, M8 A-code plug, 6 pin, 8xL 19.2 mm, molding style, solder cup, gold plated, IP67, shielded	A	50-01008
					Scale: 2:1	Sheet 1 of 1