

Style
M12 Plug
4 pin
D-coding

Ratings
Voltage: 250 V
Current: 4 A

Operating Temperature Range
-40~120°C

- Materials**
- ① Insulator: Polyamide 66 (PA66), UL94 V-0, black
 - ② Pin: C3604 Brass, gold plated
 - ③ M12 Shell: Polyamide 66 (PA66), UL94 V-0, black
 - ④ Outer Shell: Polyamide 66 (PA66), UL94 V-0, black
 - ⑤ Collect nut: Polyamide 66 (PA66), UL94 V-0, black
 - ⑥ Collect: Polyamide 66 (PA66), UL94 V-0, black
 - ⑦ O-ring: Silicone, green

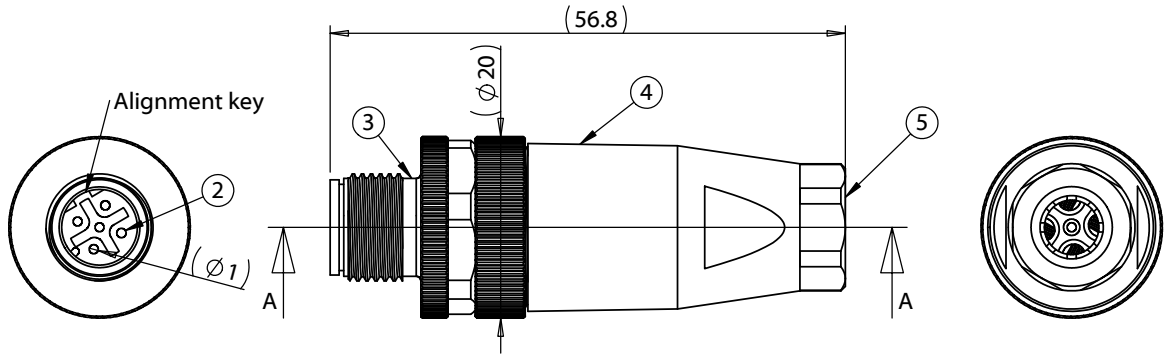
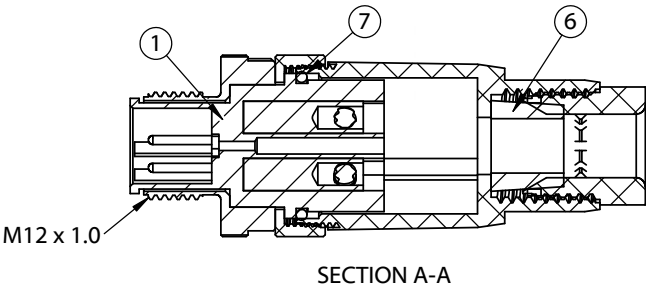
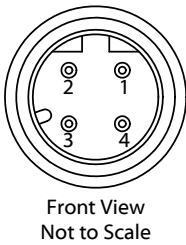
Electrical Requirements
Dielectric strength: 1 min @ 1500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 0.5 Ω or less

Mechanical Requirements
Life cycle: 500 mating cycles minimum

Assembly Info
Moisture resistant
Waterproof: IP67
Suitable cable OD: 4.0 ~ 6.2 mm
Terminal style: screw
Max torque force:
M12 shell: 0.4 Nm
Collect nut: 0.8 ~ 1.0 Nm

Recommended Wires

AWG	TPU wire	PVC wire	4A compatible
20	30-03077	30-01657	Yes
22	30-03078	30-01658	Yes
24	30-03079	30-01659	Yes
26	30-03080	30-01660	No
28	30-03081	30-01661	No
30	30-03082	30-01662	No
32	30-03083	30-01663	No



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	05/15/2024	Initial release	Verified:	RoHS compliant			
			Dimensions are in millimeters.	Function test: no open, no short circuit, no intermittent			
			Tolerances:	Description:			
			X: ± 0.3 mm	Connector, M12 D-code plug, 4 pin, 12xL56.8 mm, gold plated, assembly style, screw terminal, IP67, plastic thread	Size:	Part number:	
			X.X: ± 0.1 mm		A	55-00443	
			X.XX: ± 0.05 mm		Scale:	1.2:1	Sheet 1 of 1