



## Series 970 PowerTrip™ Connectors and Accessories Cable Connectors

### 970-011 Cable Plug with Integral Banding Porch

#### 970-011 CABLE PLUG



These connectors, often called “in-line”, “line” or “free-hanging” plugs, are installed on cables for cord-to-cord applications. These connectors feature high current LouverBand contacts. Coupling threads are triple-start ACME type. EMI protected with ground spring and integral shield banding porch. Standard contacts are silver plated high conductivity copper alloy, or choose gold-plated contacts for improved corrosion protection. Fluorosilicone rubber gaskets and grommets provide watertight sealing. Unassembled contacts are packaged with connector.

- EMI Protected
- High Current Contacts
- Integral Banding Porch
- Ratchet Self-Locking

#### PRODUCT FACTS

2000 VAC Sea Level DWV Rating
-65°C to +200°C Operating Temperature
6 Feet Water Immersion, 48 Hours
65 dB min. Attenuation, up to 10GHz
500 Cycles Mating Durability
MIL-S 901 Grade A High-Impact Shock
43 g Random Vibration

#### HOW TO ORDER

SERIES	SHELL MATL AND FINISH	SHELL SIZE - INSERT ARRANGEMENT					CONTACT TYPE AND PLATING	KEY POSITION	
		Contact Arr.	Contact Size and Qty						
		#16	#12	#8	#4	#1/0			
<b>970-011</b> Cable Plug	<b>ME</b> Aluminum, Electroless Nickel Finish			2			<b>P1</b> Pin Contacts, Silver Plating*	<b>-1</b> Position 1	
		<b>18-2</b>		2					
		<b>18-4</b>	2	2					
		<b>20-3</b>		3					
		<b>20-4</b>		4					
		<b>20-5</b>	2	3					
	<b>MT</b> Aluminum, Nickel- PTFE Finish	<b>20-7</b>	4		3		<b>P2</b> Pin Contacts, Gold Plating	<b>-2</b> Position 2	
		<b>24-2</b>				2			
		<b>24-3</b>				3			
		<b>24-5</b>			5				
		<b>24-6</b>		4		2			
		<b>24-A6</b>		3		3			
	<b>NF</b> Aluminum, Olive Drab Cadmium	<b>28-4</b>				4	<b>S1</b> Socket Contacts, Silver Plating*	<b>-3</b> Position 3	
		<b>28-8</b>		1	7				
		<b>28-9</b>	5			4			
		<b>28-15</b>	15						
		<b>32-2</b>				2			
		<b>32-3</b>				3			
	<b>ZR</b> Aluminum, Black Zinc-Nickel Finish	<b>32-4</b>				2	<b>S2</b> Socket Contacts, Gold Plating	<b>-4</b> Position 4	
		<b>32-5</b>				5			
<b>32-6</b>			3		3				
<b>32-20</b>		1	19						
<b>36-4</b>					4				
<b>36-16</b>		3		13					
<b>Z1</b> Passivated Stainless Steel	<b>40-5</b>				5	<b>A</b> Pin Connector, without Contacts	<b>-5</b> Position 5		
	<b>40-21</b>			21					
								<b>B</b> Socket Connector, without Contacts	<b>-6</b> Position 6
<b>Sample Part Number</b>									
<b>970-011</b>	<b>MT</b>		<b>24-5</b>				<b>P1</b>	<b>-1</b>	

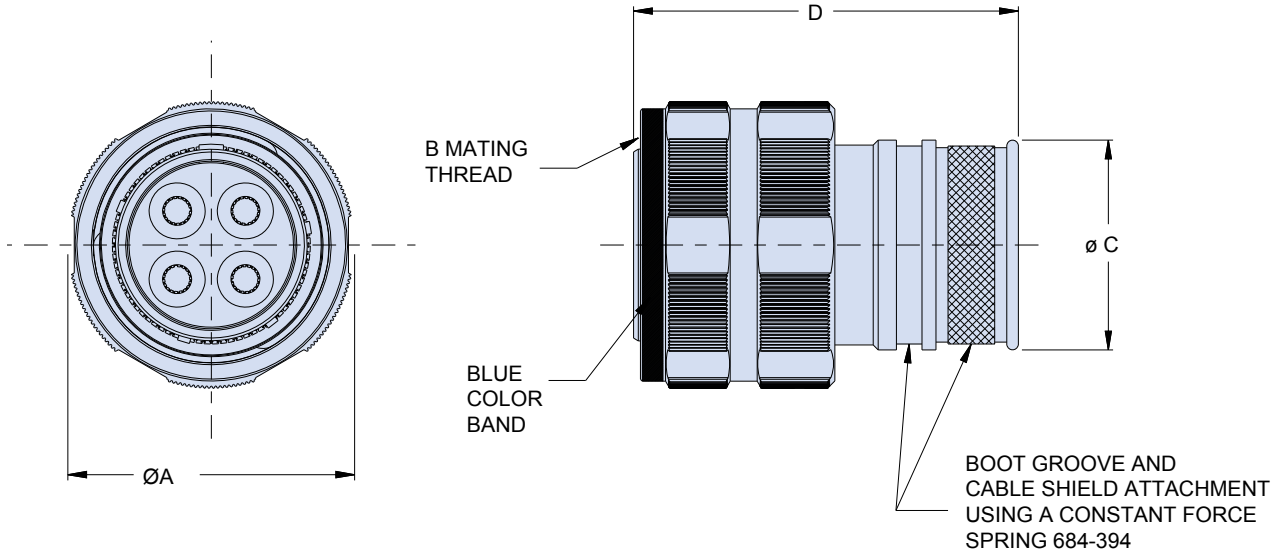
\* Size 12 and 16 contacts are gold-plated. Size 8, 4 and 1/0 are silver plated.

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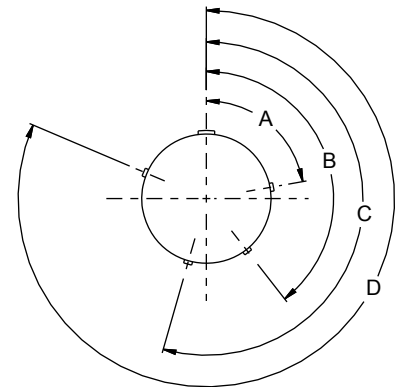
## 970-011 Cable Receptacle with Integral Banding Porch



### 970-011 CABLE PLUG



DIMENSIONS							
Shell Size	$\varnothing A$		B Mating Thread	$\varnothing C$		D	
	In.	mm		In.	mm.	In.	mm.
18	1.485	37.72	1.125-0.1P-0.3L-TS-2B	1.037	26.34	2.063	52.4
20	1.583	40.21	1.250-0.1P-0.3L-TS-2B	1.163	29.54	2.063	52.4
24	1.857	47.17	1.500-0.1P-0.3L-TS-2B	1.350	34.29	2.063	52.4
28	2.186	55.52	1.750-0.1P-0.3L-TS-2B	1.670	42.42	2.063	52.4
32	2.420	61.47	2.000-0.1P-0.3L-TS-2B	1.945	49.40	2.063	52.4
36	2.709	68.81	2.250-0.1P-0.3L-TS-2B	2.176	55.27	2.063	52.4



KEY POSITIONS				
Position	A°	B°	C°	D°
1	80	142	196	293
2	135	170	200	310
3	49	169	200	244
4	66	140	200	257
5	62	145	180	280
6	79	153	197	272