



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
970-011 Cable Plug	ME Aluminum, Electroless Nickel Finish	Contact Arr.	Contact Size and Qty					P1 Pin Contacts, Silver Plating*	-1 Position 1
			#16	#12	#8	#4	#1/0		
	18-2			2			P2 Pin Contacts, Gold Plating	-2 Position 2	
	18-4		2	2					
	20-3			3			S1 Socket Contacts, Silver Plating*	-3 Position 3	
	20-4			4					
	20-5		2	3			S2 Socket Contacts, Gold Plating	-4 Position 4	
	20-7	4		3					
	24-2				2		A Pin Connector, without Contacts	-5 Position 5	
	24-3				3				
	24-5			5			B Socket Connector, without Contacts	-6 Position 6	
	24-6		4		2				
	24-A6		3		3		* Size 12 and 16 contacts are gold-plated. Size 8, 4 and 1/0 are silver plated.		
	28-4				4				
	28-8		1	7					
	28-9	5			4				
	28-15	15							
	32-2					2			
	32-3					3			
	32-4				2	2			
	32-5				5				
	32-6		3			3			
	32-20	1	19						
	36-4					4			
	36-16	3		13					
	40-5					5			
	40-21			21					

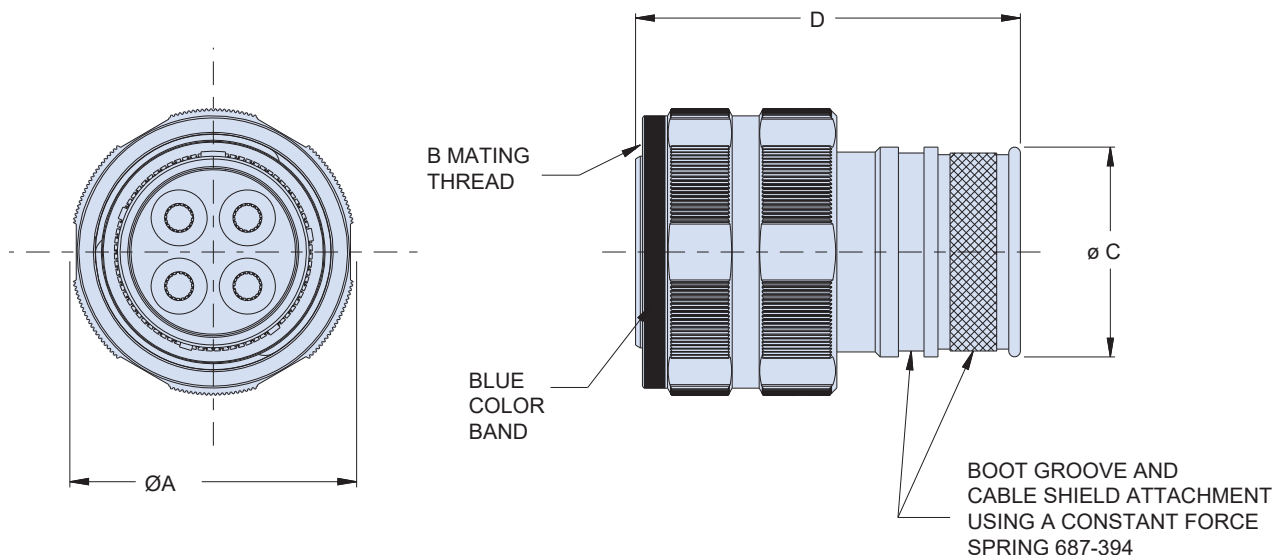
Sample Part Number									
970-011	MT	24-5						P1	-1

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970-011 Cable Plug with Integral Banding Porch

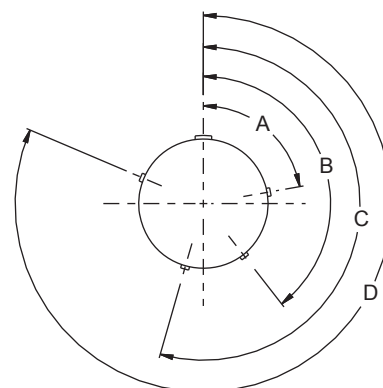


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DIMENSIONS

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



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

Mouser Electronics

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