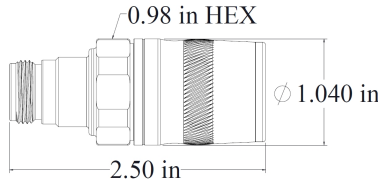




# UPL-NF-12T

N Female Connector for 1/2" Trilogy Plenum Cable



[Installation video](#)



[Installation instructions](#)



Contact technical support:  
1-888-201-6073

[techsupport@jmawireless.com](mailto:techsupport@jmawireless.com)

General		Specification		
<b>Interface/gender</b>		N Female		
<b>Cables supported<sup>1</sup></b>	<b>Manufacturer</b>		<b>P/N</b>	
	Trilogy		AP6012J50	
			APC012J50	
			AC012R50	
			AC012J50	
			AP012U50	
			ACC012J50	
			ACC012R50	
<b>Weight</b>		116.1 g   0.256 lb		
<b>JMA Weather Protection System</b>		N/A		
Tools required		JMA part number	Comment	
<b>Cable preparation</b>		SP-12PL-01		
<b>Hex width</b>			25 mm   1 in.	
		Compression tool	Frameset	Insert
<b>Connector compression options</b>		HCG-CC ( RP 240 / RP 210-B / RP 100-B)	HCG-FS-12-01	HCG-INS3-12-01 (Insert 3)
		HCG-CC ( RP 240 / RP 210-B / RP 100-B)	HCG-FRAMESET-1/2	HCG-INSERTB-1/2 (Insert B)
Frequency band		VSWR	Return loss (dB)	
555–1000 MHz		1.02	40	
1000–2700 MHz		1.03	36	
2700–3800 MHz		1.05	32	
3800–6000 MHz		1.08	28	
Electrical		Specification	Comment	
<b>Connector impedance</b>		50 ohm		
<b>Operating frequency band</b>		DC–6 GHz		
<b>3rd order IMD dynamic, (PIM)</b>		-161 dBc, typical	IEC 62037-2	
<b>DC test voltage</b>		2000 V		
<b>Center contact resistance</b>		≤ 1.5 milliohm		
<b>Outer contact continuity</b>		0.3 milliohm max.		
<b>Average power</b>		600 W @ 900 MHz		
<b>Peak power, max.</b>		10 kW		
<b>Insertion loss, typical</b>		0.05 dB	Per connector	
<b>Shielding effectiveness</b>		< -120 dB	@ 0-1 GHz	
Mechanical		Specification	Comment	
<b>Pull force combined</b>		.89 kN   > 200 lb	Cable limited	
<b>Cable retention torque</b>		6.7 N·m   5 lbf·ft	Cable limited	
<b>Interface durability</b>		50 cycles	IEC 61169-4:9.5	

<sup>1</sup>For cable types not listed, please contact JMA Technical Support.





# UPL-NF-12T

## N Female Connector for 1/2" Trilogy Plenum Cable

Environmental	Specification	Test
Operating temperature	-55 °C to +85 °C (-67 °F to 185 °F)	
Storage temperature	-55 °C to +85 °C (-67 °F to 185 °F)	
Accelerated UV	1000 hr	ASTM G154
Immersion test method	Mated & unmated, IP68	IEC 60529:2001 & ANSI/SCTE 60
Water jetting test method	Mated & unmated, IP66	IEC 60529:2001
Mechanical shock test method	Pass	IEC 60068-2-27
Thermal shock test method	Pass	IEC 60068-2-14
Vibration test method	100 m/s <sup>2</sup> , 2 Hz to 200 Hz	IEC 61169-1:2003
Corrosion test method	1000 hr	IEC 60068-2-11

05/05/26