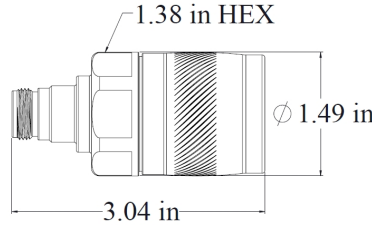




# UPL-NF-78

## N Female Connector for 7/8" 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>	<b>Manufacturer</b>	<b>P/N</b>
	CommScope	HJ5	RFS	HCA78
		HJ5RP		
		HJ5RPV		
<b>Weight</b>	247.2 g   0.545 lb			
<b>JMA Weather Protection System</b>	N/A			

Tools required	JMA part number	Comment
<b>Cable preparation</b>	SP-78PL	No coring required
<b>Hex width</b>		35 mm   1-3/8 in.

	Compression tool	Frameset	Comment
<b>Connector compression options</b>	HCG-CC ( RP 240 / RP 210-B / RP 100-B)	HCG-FS-78-01	
	HCG-CC ( RP 240 / RP 210-B / RP 100-B)	HCG-FRAMESET-7/8	

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–5 GHz	
<b>3rd order IMD dynamic, (PIM)</b>	-161 dBc, typical	IEC 62037-2
<b>DC test voltage</b>	4000 V	
<b>Center contact resistance</b>	≤0.4 milliohm	
<b>Outer contact continuity</b>	1.5 milliohm max.	
<b>Average power</b>	3000 W @ 900 MHz	
<b>Peak power, max.</b>	40 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>	1.56 kN   > 350 lb	Cable limited
<b>Cable retention torque</b>	21.69 N·m   16 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.



## N Female Connector for 7/8" 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