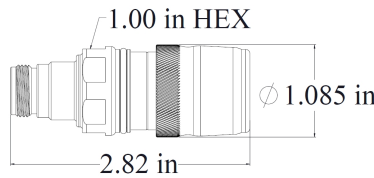




# UPL-NF-12S

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



[Installation video](#)



[Installation instructions](#)



Contact technical support:  
1-888-201-6073

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

General		Specification			
Interface/gender	N Female				
Cables supported <sup>1</sup>	Manufacturer	P/N	Manufacturer	P/N	
	CommScope	HS4RP	Superior Essex H	FSC12DPV	
	Wireless Supply	WS12/SF/WP			
Weight	139 g   0.306 lb				
JMA Weather Protection System	N/A				
Tools required		JMA part number		Comment	
Cable preparation		SP-12SPL		No coring required	
Connector compression		HCG-FRAMESET-1/2, HCG-CC		Insert B	
Hex width		25 mm   1 in.			
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	
Connector impedance		50 ohm			
Operating frequency band		DC–6 GHz			
3rd order IMD dynamic, (PIM)		-161 dBc, typical		IEC 62037-2	
DC test voltage		2000 V			
Center contact resistance		≤ 1.5 milliohm			
Outer contact continuity		0.3 milliohm max.			
Average power		600 W @ 900 MHz			
Peak power, max.		10 kW			
Insertion loss, typical		0.05 dB		Per connector	
Shielding effectiveness		< -120 dB		@ 0-1 GHz	
Mechanical		Specification		Comment	
Pull force combined		.78 kN   >175 lb		Cable limited	
Cable retention torque		6.7 N·m   5 lbf·ft		Cable limited	
Interface durability		50 cycles		IEC 61169-4:9.5	
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	

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

03/22/23

