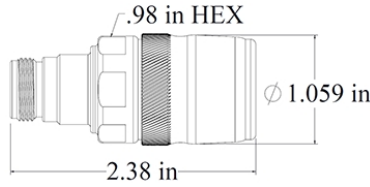




# UXP-NF-12S

N Female Connector for 1/2" Superflexible 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>
	JMA Wireless	JMA12S-50	HUBER+SUHNER	SF 1/2 HF
		JMA12SR-50	Eupen	EC4HF
	CommScope	FSJ4	Leoni Flexline	1/2"S
		FSJ4RK	LS/Superior Essex	HFSC 12D
		FSJ4RN-50		FSC12DPV
	RFS	HS4RP	Hansen	RF5012S
	Rosenbeger	SCF12		RF5012SZ
NK Draka	SL 1/2" S	Wireless Supply	WS12/SF	
	RFF1200		WS12/SF/WP	
<b>Weight</b>	0.270 lb   122.5 g			
<b>JMA Weather Protection System</b>	N/A			

Tools required	JMA part number	Comment
<b>Cable preparation</b>	SP-12S or SP-12SPL	No coring required
<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)	
Foam Dielectric	Air Dielectric	Foam Dielectric	Air Dielectric	Foam Dielectric	Air Dielectric
DC-1000 MHz	555-1000 MHz	1.02	1.02	40	40
1000-2000 MHz	1000-2700 MHz	1.03	1.03	36	36
2000-4000 MHz	2700-3800 MHz	1.05	1.07	32	29
4000-6000 MHz	3800-6000 MHz	1.08	1.15	28	23

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, -3
<b>DC test voltage</b>	2500 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>	.78 kN   > 175 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.





# UXP-NF-12S

## N Female Connector for 1/2" Superflexible 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