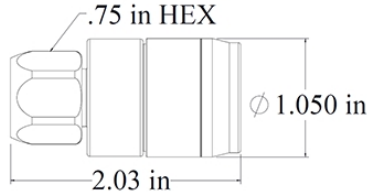




# AXP-NM-12S

## N Male Connector for 1/2" Superflexible Cable



[Installation instructions](#)



Contact technical support:  
1-888-201-6073

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

General	Specification			
<b>Interface/gender</b>	N male			
<b>Cables supported<sup>1</sup></b>	RFS	SCF12	Hansen	RF5012S
	NK Draka	RFF1200		RF5012SZ
	CommScope	FSJ4	Leoni Flexline	1/2"S
		FSJ4RK		HFSC 12D
		FSJ4RN-50		HFSC12DPV
	HS4RP	Rosenberger	SL 1/2" S	
Eupen	EC4HF	HUBER+SUHNER	SF 1/2 HF	
<b>Weight</b>	107.0 g   0.236 lb			
<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>Connector compression</b>	HCG-FRAMESET-1/2, HCG-CC	Insert B
<b>Torque wrench</b>	TW1412	14 lbf-in   1.58 N·m

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	1.05	32	32
4000-6000 MHz	3800-6000 MHz	1.08	1.08	28	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>	.78 kN   >175 lb	Cable limited
<b>Cable retention torque</b>	6.7 N·m   5 lbf-ft	Cable limited
<b>Interface durability</b>	500 cycles	IEC 61169-4:9.5

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



# AXP-NM-12S

## N Male 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	750 hr	IEC 60068-2-11

11/06/23