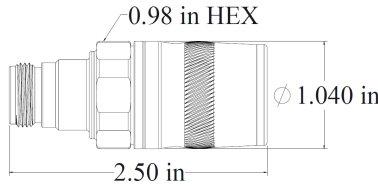




UPL-NF-12

N Female Connector for 1/2" Annular Plenum Cable



[Installation video](#)



[Installation instructions](#)



Contact technical support:
1-888-201-6073
techsupport@jmwireless.com

General		Specification				
Interface/gender	N Female					
Cables supported¹	Manufacturer	P/N	Manufacturer	P/N	Manufacturer	P/N
	JMA Wireless	JMA12P-50	RFS	ICA12-50JPL	Wireless Supply	12/WP
	CommScope	HL4RPV-50		ICA12-50JPLB	Rosenberger	RLCX-SL012R
		HL4RPV-50B		ICA12-50JPLR	Eupen	EC4-50PL
		HL4RPV-50R		ICA12-50JPLW	Belden	RA500P
		AL4RPV-50		ICA12-50JPLL	Acome	HPL 50-1/2F
	HUBER+SUHNER	Sucofeed_1/2_PW		ICA12-50JPLLW		HPL 50-1/2F ALU
	LS/Superior Essex	LHF12DPV				
Weight	116.1 g 0.256 lb					
JMA Weather Protection System		N/A				
Tools required		JMA part number		Comment		
Cable preparation		SP-12PL-01		Bit "V1" all cables		
Hex width		25 mm 1 in.				
Connector compression options	Compression tool		Frameset		Insert	
	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	
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		.89 kN > 200 lb			Cable limited	
Cable retention torque		6.7 N·m 5 lbf·ft			Cable limited	
Interface durability		50 cycles			IEC 61169-4:9.5	

¹For cable types not listed, please contact JMA Technical Support.





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N Female Connector for 1/2" Annular 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 ² , 2 Hz to 200 Hz	IEC 61169-1:2003
Corrosion test method	1000 hr	IEC 60068-2-11

05/05/26