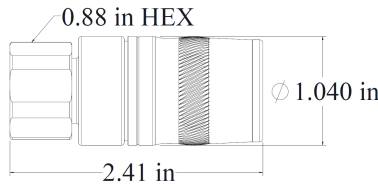




# UPL-MDM-12

## 4.1-9.5 Mini DIN Male Connector for 1/2" Annular 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>	4.1-9.5 Male					
<b>Cables supported<sup>1</sup></b>	<b>Manufacturer</b>	<b>P/N</b>	<b>Manufacturer</b>	<b>P/N</b>	<b>Manufacturer</b>	<b>P/N</b>
	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				
<b>Weight</b>	141 g   0.310 lb					
<b>JMA Weather Protection System</b>		N/A				
<b>Tools required</b>		<b>JMA part number</b>		<b>Comment</b>		
<b>Cable preparation</b>		SP-12PL-01		Bit "V1" all cables		
<b>Connector compression</b>		HCG-FRAMESET-1/2, HCG-CC		Insert C		
<b>Torque wrench</b>		TQ-78-F8		10.85 N·m   8 lbf·ft		
<b>Frequency band</b>		<b>VSWR</b>		<b>Return loss (dB)</b>		
555–1000 MHz		1.02		40		
1000–2700 MHz		1.03		36		
2700–3800 MHz		1.05		32		
3800–6000 MHz		1.08		28		
<b>Electrical</b>		<b>Specification</b>		<b>Comment</b>		
<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>		2500 V				
<b>Center contact resistance</b>		≤ 1.0 milliohm				
<b>Outer contact continuity</b>		1.0 milliohm max.				
<b>Average power</b>		600 W @ 900 MHz				
<b>Peak power, max.</b>		15 kW				
<b>Insertion loss, typical</b>		0.05 dB		Per connector		
<b>Shielding effectiveness</b>		< -120 dB		@ 0-1 GHz		
<b>Mechanical</b>		<b>Specification</b>		<b>Comment</b>		
<b>Pull force combined</b>		.89 kN   > 200 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.



# UPL-MDM-12

## 4.1-9.5 Mini DIN Male 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 <sup>2</sup> , 2 Hz to 200 Hz	IEC 61169-1:2003
Corrosion test method	1000 hr	IEC 60068-2-11

12/04/23