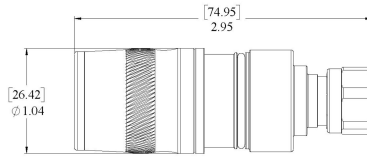




# UPL-2MT-12-01

## 2.2-5 Male Torque Connector for 1/2" 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>	2.2-5 Male, torque type					
<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>	107.2 g   0.236 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 D			
<b>Torque wrench</b>	TQ-916-F6		6.0 lbf-ft   8.13 N·m			
<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>	250 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			
<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>	100 cycles		IEC 61169-4:9.5			

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



# UPL-2MT-12-01

## 2.2-5 Male Torque Connector for 1/2" 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

07/23/24