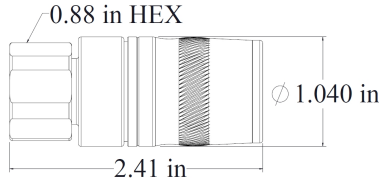


UPL-MDM-12T

4.1-9.5 Mini DIN Male Connector for 1/2" Trilogy Plenum Cable



[Installation video](#)



[Installation instructions](#)



Contact technical support:

1-888-201-6073

techsupport@jmwireless.com

General		Specification	
Interface/gender	4.1-9.5 Male		
Cables supported ¹	Trilogy	AP6012J50	
		APC012J50	
		AC012R50	
		AC012J50	
		AP012U50	
		ACC012J50	
		ACC012R50	
Weight	141 g 0.310 lb	JMA Weather Protection System	N/A
Tools required	JMA part number	Comment	
Cable preparation	SP-12PL	Bit PL; marking guide included with connector	
Connector compression	HCG-FRAMESET-1/2, HCG-CC	Insert C	
Torque wrench	TQ-78-F8	10.85 N·m 8 lbf·ft	
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	2500 V		
Center contact resistance	≤ 1.0 milliohm		
Outer contact continuity	1.0 milliohm max.		
Average power	600 W @ 900 MHz		
Peak power, max.	15 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	500 cycles	IEC 61169-4:9.5	
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	

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