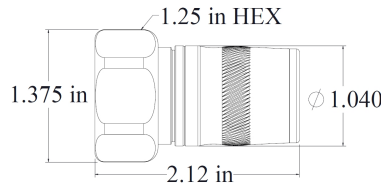
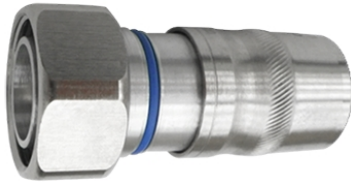




UPL-DM-12T

7-16 DIN Male Connector for 1/2" Trilogy Plenum Cable



[Installation video](#)



[Installation instructions](#)



Contact technical support:
1-888-201-6073

techsupport@jmawireless.com

General		Specification	
Interface/gender	7-16 Male		
Cables supported ¹	Manufacturer	P/N	
	Trilogy	AP6012J50	
		APC012J50	
		AC012R50	
		AC012J50	
		AP012U50	
		ACC012J50	
ACC012R50			
Weight	141 g 0.311 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 A
Torque wrench		TQ-114-F18	24.4 N·m 18 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		4000 V	
Center contact resistance		≤ 0.8 milliohm	
Outer contact continuity		1.5 milliohm max.	
Average power		1100 W @ 900 MHz	
Peak power, max.		40 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

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



UPL-DM-12T

7-16 DIN Male Connector for 1/2" Trilogy 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

03/22/23