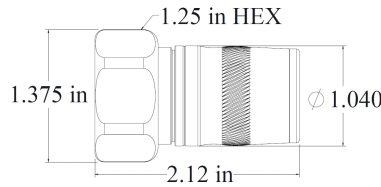




# UPL-DM-12T

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



[Installation video](#)



[Installation instructions](#)



Contact technical support:  
1-888-201-6073

[techsupport@jmwireless.com](mailto:techsupport@jmwireless.com)

General		Specification	
<b>Interface/gender</b>		7-16 Male	
<b>Cables supported<sup>1</sup></b>	<b>Manufacturer</b>		<b>P/N</b>
	Trilogy		AP6012J50
			APC012J50
			AC012R50
			AC012J50
			AP012U50
			ACC012J50
		ACC012R50	
<b>Weight</b>		141 g   0.311 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	
<b>Torque wrench</b>		TQ-114-F18	24.4 N·m   18 lbf·ft
	<b>Compression tool</b>	<b>Frameset</b>	<b>Insert</b>
<b>Connector compression options</b>	HCG-CC ( RP 240 / RP 210-B / RP 100-B)	HCG-FS-12-01	HCG-INS2-12-01 (Insert 2)
	HCG-CC ( RP 240 / RP 210-B / RP 100-B)	HCG-FRAMESET-1/2	HCG-INSERTA-1/2 (Insert A)
<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>		4000 V	
<b>Center contact resistance</b>		≤ 0.8 milliohm	
<b>Outer contact continuity</b>		1.5 milliohm max.	
<b>Average power</b>		1100 W @ 900 MHz	
<b>Peak power, max.</b>		40 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-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 <sup>2</sup> , 2 Hz to 200 Hz	IEC 61169-1:2003
Corrosion test method	1000 hr	IEC 60068-2-11

05/05/26