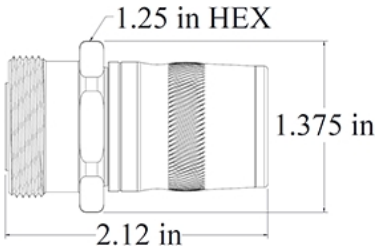
UPL-DF-12T

7-16 DIN Female 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 Female	
Cables supported[1]	**Manufacturer**	**P/N**
	Trilogy	AP6012J50
		APC012J50
		AC012R50
		AC012J50
		AP012U50
		ACC012J50
		ACC012R50
Weight	140.2 g | 0.309 lb	
JMA Weather Protection System	N/A	

Tools required	JMA part number	Comment
Cable preparation	SP-12PL-01	
Connector compression	HCG-FRAMESET-1/2, HCG-CC	Insert A
Hex width	32 mm | 1-1/4 in.	

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	50 cycles	IEC 61169-4:9.5

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

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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

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