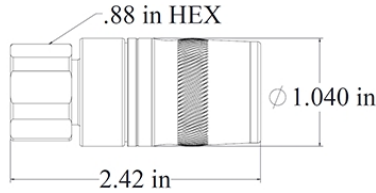




UXP-MDM-12

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



[Installation video](#)



[Installation instructions](#)



Contact technical support:

1-888-201-6073

techsupport@jmawireless.com

General		Specification			
Interface/gender		4.1-9.5 Mini DIN male			
Cables supported ¹	Manufacturer	P/N		Manufacturer	P/N
		JMA Wireless	JMA12-50	Wireless Supply	WS12
	CommScope		JMA12R-50	Eupen	EC4
		LDF4	Leoni Flexline 1/2"R		
		LDF4RK	LS/Superior Essex	HFC 12D	
				LDF4 RN	HFAC 12D
	RFS	LCF12	Hansen	RF5012	
		LCF12-50JL		RF5012Z	
	NK Draka	RFA1200	Belden	RA500	
Rosenberger	SL 1/2" R	RA500R			
Weight	0.287 lb 130.2 g				
JMA Weather Protection System	WPS-N-4A				
Tools required		JMA part number		Comment	
Cable preparation		SP-1/2-LDF4D		"U" bit	
Connector compression		HCG-FRAMESET-1/2, HCG-CC		Insert C	
Torque wrench		TQ-78-F8		8 lbf·ft 10.85 N·m	
Frequency band		VSWR		Return loss (dB)	
DC-1000 MHz		1.02		40	
1000–2000 MHz		1.03		36	
2000–4000 MHz		1.05		32	
4000–6000 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		1.1 kN >250 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.



UXP-MDM-12

4.1-9.5 Mini DIN Male Connector for 1/2" Annular 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

08/06/24