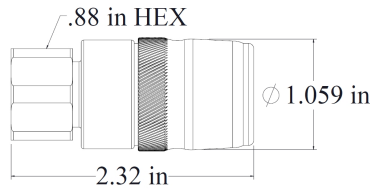




UXP-MDM-12S

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



[Installation video \(Foam Dielectric\)](#)

[Installation video \(Air Dielectric\)](#)



[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	JMA12S-50	HUBER+SUHNER	SF 1/2 HF
		JMA12SR-50	Eupen	EC4HF
	CommScope	FSJ4	Leoni Flexline	1/2"S
		FSJ4RK	LS/Superior Essex	HFSC 12D
		FSJ4RN-50		FSC12DPV
		HS4RP	Hansen	RF5012S
	RFS	SCF12		RF5012SZ
	Rosenbeger	SL 1/2" S	Wireless Supply	WS12/SF
	NK Draka	RFF1200		WS12/SF/WP
Weight	138.3 g 0.305 lb			
JMA Weather Protection System	WPS-N-4S			

Tools required	JMA part number	Comment
Cable preparation	SP-12S or SP-12SPL	No coring required
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)	
Foam Dielectric	Air Dielectric	Foam Dielectric	Air Dielectric	Foam Dielectric	Air Dielectric
DC-1000 MHz	555-1000 MHz	1.02	1.02	40	40
1000-2000 MHz	1000-2700 MHz	1.03	1.03	36	36
2000-4000 MHz	2700-3800 MHz	1.05	1.07	32	29
4000-6000 MHz	3800-6000 MHz	1.08	1.15	28	23

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	≤ 0.8 milliohm	
Outer contact continuity	1.5 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	.78 kN >175 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-12S

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