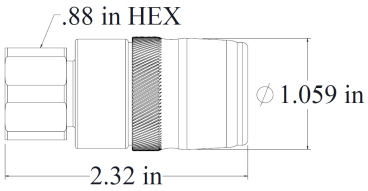
UXP-MDM-12S

4.1-9.5 Mini DIN Male Connector for 1/2” Superflexible 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]	Andrew FSJ4, FSJ4RK, FSJ4RN-50; RFS SCF12; NK Draka RFF1200; Eupen EC4HF; Leoni Flexline 1/2"S; LS/Superior Essex HFSC 12D; Hansen RF5012S, RF5012SZ; Rosenbeger SL 1/2" S; HUBER+SUHNER SF 1/2 HF
Weight	138.3 g | 0.305 lb
JMA Weather Protection System	WPS-N-4S

Tools required	JMA part number	Comment
Cable preparation	SP-12S	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)
555–1000 MHz (0-1 GHz)	1.02	40
1000–2700 MHz (1-2 GHz)	1.03	38
2700–3800 MHz (2-4 GHz)	1.05	30
3800–6000 MHz (4-6 GHz)	1.08	26

Electrical	Specification	Comment
Connector impedance	50 ohm	
Operating frequency band	DC–6 GHz	
3rd order IMD dynamic, (PIM)	-161 dBc, typical	IEC 60237-02
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

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

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

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