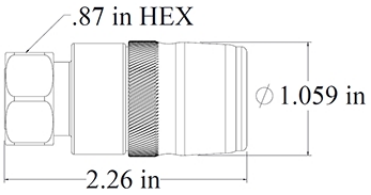
UXP-4MT-12S

4.3-10 Male Torque Connector for 1/2” Superflexible Cable



Installation video

Installation instructions

Contact technical support:
1-888-201-6073
techsupport@jmawireless.com

General	Specification			
Interface/gender	4.3-10 Male, torque type			
Cables supported[1]	JMA Wireless	JMA12S-50	Eupen	EC4HF
	CommScope	FSJ4	Leoni Flexline	1/2"S
		FSJ4RK	LS/Superior Essex	HFSC 12D
		FSJ4RN-50	Hansen	RF5012S
	RFS	SCF12		RF5012SZ
	NK Draka	RFF1200	HUBER+SUHNER	SF 1/2 HF
	Rosenbeger	SL 1/2" S	Wireless Supply	WS12/SF
Weight	0.341 lb | 154.6 g			
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 D
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 62037-2, -3
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	100 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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