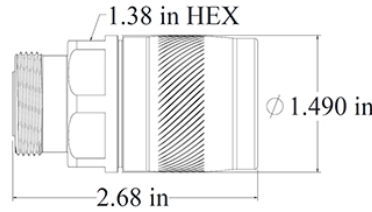


UXP-DF-78FX

7-16 DIN Female Connector for 7/8" Annular AVA5-50FX Cable



[Installation video](#)



[Installation instructions](#)



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

General	Specification	
Interface/gender	7-16 DIN female	
Cables supported ¹	Andrew AVA5-50FX, AVA5RK-50FX	
Weight	0.538 lb 244 g	
JMA Weather Protection System	WPS-5 used for in-line connections only	
Tools required	JMA part number	Comment
Cable preparation	SP-78FX	No coring required
Connector compression	HCG-FRAMESET-78, HCG-CC	
Hex width	35 mm 1-3/8 in.	
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, -3
DC test voltage	4000 V	
Center contact resistance	≤ 0.4 milliohm	
Outer contact continuity	1.5 milliohm max.	
Average power	3000 W @ 900 MHz	
Peak power, max.	40 kW	
Insertion loss, typical	0.05 dB	Per connector
Shielding effectiveness	< -130 dB	@ 0-1 GHz
Mechanical	Specification	Comment
Pull force combined	1.56 kN > 350 lb	Cable limited
Cable retention torque	21.69 N·m 16 lbf·ft	Cable limited
Interface durability	50 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

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

02/07/20