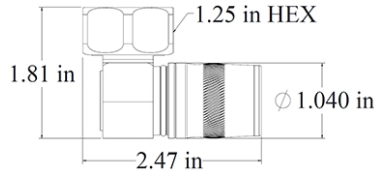




# UXP-DRA-12

## 7-16 DIN Male Right Angle Connector for 1/2" Annular Cable



[Installation video](#)



[Installation instructions](#)



Contact technical support:  
1-888-201-6073  
[techsupport@jmawireless.com](mailto:techsupport@jmawireless.com)

General	Specification			
<b>Interface/gender</b>	7-16 DIN male right angle			
<b>Cables supported<sup>1</sup></b>	<b>Manufacturer</b>	<b>P/N</b>	<b>Manufacturer</b>	<b>P/N</b>
	JMA Wireless	JMA12-50	Wireless Supply	WS12
		JMA12R-50	Eupen	EC4
	CommScope	LDF4	LS/Superior Essex	Leoni Flexline 1/2"R
		LDF4RK		HFC 12D
		LDF4 RN	HFAC 12D	
	RFS	LCF12	Hansen	RF5012
		LCF12-50JL		RF5012Z
NK Draka	RFA1200	Belden	RA500	
Rosenberger	SL 1/2" R		RA500R	
<b>Weight</b>	0.461 lb   209.1 g			
<b>JMA Weather Protection System</b>	WPS-DRA-4A			

Tools required	JMA part number	Comment
<b>Cable preparation</b>	SP-1/2-LDF4D	"U" bit
<b>Connector compression</b>	HCG-FRAMESET-1/2, HCG-CC	Insert A
<b>Torque wrench</b>	TQ-114-F18	18 lbf·ft   24.4 N·m

Frequency band	VSWR	Return loss (dB)
<b>DC-1000 MHz</b>	1.02	40
<b>1000-2000 MHz</b>	1.03	36
<b>2000-4000 MHz</b>	1.05	32
<b>4000-6000 MHz</b>	1.08	28

Electrical	Specification	Comment
<b>Connector impedance</b>	50 ohm	
<b>Operating frequency band</b>	DC-6 GHz	
<b>3rd order IMD dynamic, (PIM)</b>	-161 dBc, typical	IEC 62037-2
<b>DC test voltage</b>	4000 V	
<b>Center contact resistance</b>	≤ 0.8 milliohm	
<b>Outer contact continuity</b>	1.5 milliohm max.	
<b>Average power</b>	1100 W @ 900 MHz	
<b>Peak power, max.</b>	40 kW	
<b>Insertion loss, typical</b>	0.05 dB	Per connector
<b>Shielding effectiveness</b>	< -120 dB	@ 0-1 GHz

Mechanical	Specification	Comment
<b>Pull force combined</b>	1.1 kN   >250 lb	Cable limited
<b>Cable retention torque</b>	6.7 N·m   5 lbf·ft	Cable limited
<b>Interface durability</b>	500 cycles	IEC 61169-4:9.5

<sup>1</sup>For cable types not listed, please contact JMA Technical Support.





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## 7-16 DIN Male Right Angle 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 <sup>2</sup> , 2 Hz to 200 Hz	IEC 61169-1:2003
Corrosion test method	1000 hr	IEC 60068-2-11

08/06/24