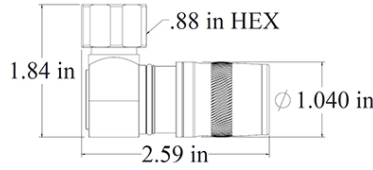




UXP-MRA-12

4.1-9.5 Mini DIN Right Angle Connector for 1/2" Annular 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 right angle																																
Cables supported¹	<table border="1"> <thead> <tr> <th>Manufacturer</th> <th>P/N</th> <th>Manufacturer</th> <th>P/N</th> </tr> </thead> <tbody> <tr> <td>JMA Wireless</td> <td>JMA12-50</td> <td>Eupen</td> <td>EC4</td> </tr> <tr> <td rowspan="3">CommScope</td> <td>LDF4</td> <td rowspan="3">LS/Superior Essex</td> <td>Leoni Flexline 1/2"R</td> </tr> <tr> <td>LDF4RK</td> <td>HFC 12D</td> </tr> <tr> <td>LDF4 RN</td> <td>HFAC 12D</td> </tr> <tr> <td rowspan="2">RFS</td> <td>LCF12</td> <td rowspan="2">Hansen</td> <td>RF5012</td> </tr> <tr> <td>LCF12-50JL</td> <td>RF5012Z</td> </tr> <tr> <td>NK Draka</td> <td>RFA1200</td> <td rowspan="3">Belden</td> <td>RA500</td> </tr> <tr> <td>Rosenberger</td> <td>SL 1/2" R</td> <td>RA500R</td> </tr> <tr> <td>Wireless Supply</td> <td>WS12</td> <td></td> </tr> </tbody> </table>	Manufacturer	P/N	Manufacturer	P/N	JMA Wireless	JMA12-50	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	Wireless Supply	WS12	
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Weight	0.461 lb 209.1 g																																
JMA Weather Protection System	WPS-NRA-4A																																

Tools required	JMA part number	Comment
Cable preparation	SP-1/2-LDF4D	"U" bit
Connector compression	HCG-FRAMESET-1/2, HCG-CC	Insert A
Torque wrench	TQ-78-F8	8 ft·lb 10.85 N·m

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

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	≤ 1.0 milliohm	
Outer contact continuity	1.0 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	1.1 kN >250 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-MRA-12

4.1-9.5 Mini DIN 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 ² , 2 Hz to 200 Hz	IEC 61169-1:2003
Corrosion test method	1000 hr	IEC 60068-2-11

05/29/24