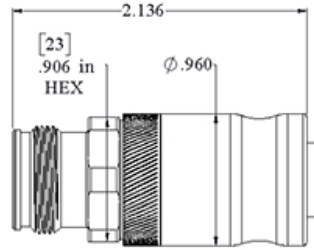




# UXP-4F-12S-01

## 4.3-10 Female Connector for 1/2" Superflexible 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>	4.3-10 Female																																	
<b>Cables supported<sup>1</sup></b>	<table border="1"> <thead> <tr> <th>Manufacturer</th> <th>P/N</th> <th>Manufacturer</th> <th>P/N</th> </tr> </thead> <tbody> <tr> <td rowspan="2">JMA Wireless</td> <td>JMA12S-50</td> <td>HUBER+SUHNER</td> <td>SF 1/2 HF</td> </tr> <tr> <td>JMA12SR-50</td> <td>Eupen</td> <td>EC4HF</td> </tr> <tr> <td rowspan="4">CommScope</td> <td>FSJ4</td> <td>Leoni Flexline</td> <td>1/2"S</td> </tr> <tr> <td>FSJ4RK</td> <td rowspan="2">LS/Superior Essex</td> <td>HFSC 12D</td> </tr> <tr> <td>FSJ4RN-50</td> <td>FSC12DPV</td> </tr> <tr> <td>HS4RP</td> <td rowspan="2">Hansen</td> <td>RF5012S</td> </tr> <tr> <td>RFS</td> <td>SCF12</td> <td>RF5012SZ</td> </tr> <tr> <td>Rosenbeger</td> <td>SL 1/2" S</td> <td rowspan="2">Wireless Supply</td> <td>WS12/SF</td> </tr> <tr> <td>NK Draka</td> <td>RFF1200</td> <td>WS12/SF/WP</td> </tr> </tbody> </table>	Manufacturer	P/N	Manufacturer	P/N	JMA Wireless	JMA12S-50	HUBER+SUHNER	SF 1/2 HF	JMA12SR-50	Eupen	EC4HF	CommScope	FSJ4	Leoni Flexline	1/2"S	FSJ4RK	LS/Superior Essex	HFSC 12D	FSJ4RN-50	FSC12DPV	HS4RP	Hansen	RF5012S	RFS	SCF12	RF5012SZ	Rosenbeger	SL 1/2" S	Wireless Supply	WS12/SF	NK Draka	RFF1200	WS12/SF/WP
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<b>Weight</b>	0.264 lb   119.7 g																																	
<b>JMA Weather Protection System</b>	N/A																																	

Tools required	JMA part number	Comment
<b>Cable preparation</b>	SP-12S-01	COR12S-01
<b>Hex width</b>		23 mm   0.9 in.

	Compression tool	Frameset	Insert
<b>Connector compression options</b>	HCG-CC ( RP 240 / RP 210-B / RP 100-B)	HCG-FS-12-01	HCG-INS1-12-01 (Insert 1)
	HCG-CC ( RP 240 / RP 210-B / RP 100-B)	HCG-FRAMESET-1/2	HCG-INSERTD-1/2 (Insert D)

Frequency band		VSWR		Return loss (dB)	
Foam Dielectric	Air Dielectric	Foam Dielectric	Air Dielectric	Foam Dielectric	Air Dielectric
DC-1000 MHz	555-1000 MHz	1.02	1.02	40	40
1000-2000 MHz	1000-2700 MHz	1.03	1.03	36	36
2000-4000 MHz	2700-3800 MHz	1.05	1.07	32	29
4000-6000 MHz	3800-6000 MHz	1.08	1.15	28	23

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, -3
<b>DC test voltage</b>	2500 V	
<b>Center contact resistance</b>	≤ 0.8 milliohm	
<b>Outer contact continuity</b>	1.5 milliohm max.	
<b>Average power</b>	600 W @ 900 MHz	
<b>Peak power, max.</b>	15 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>	.78 kN   > 175 lb	Cable limited
<b>Cable retention torque</b>	6.7 N·m   5 lbf·ft	Cable limited
<b>Interface durability</b>	100 cycles	IEC 61169-4:9.5

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





# UXP-4F-12S-01

## 4.3-10 Female Connector for 1/2" Superflexible 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

05/05/26