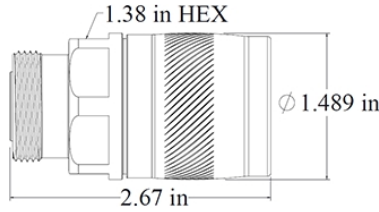




# UPL-DF-78

## 7-16 DIN Female Connector for 7/8" Plenum Cable



[Installation video](#)



[Installation instructions](#)



Contact technical support:  
1-888-201-6073

[techsupport@jmawireless.com](mailto:techsupport@jmawireless.com)

General	Specification														
Interface/gender	7-16 Female														
Cables supported <sup>1</sup>	<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="3">CommScope</td> <td>HJ5</td> <td>RFS</td> <td>HCA78</td> </tr> <tr> <td>HJ5RP</td> <td></td> <td></td> </tr> <tr> <td>HJ5RPV</td> <td></td> <td></td> </tr> </tbody> </table>	Manufacturer	P/N	Manufacturer	P/N	CommScope	HJ5	RFS	HCA78	HJ5RP			HJ5RPV		
	Manufacturer	P/N	Manufacturer	P/N											
	CommScope	HJ5	RFS	HCA78											
		HJ5RP													
HJ5RPV															
Weight	285 g   0.629 lb														
JMA Weather Protection System	N/A														

Tools required	JMA part number	Comment
Cable preparation	SP-78PL	No coring required
Hex width		35 mm   1-3/8 in.

	Compression tool	Frameset	Comment
Connector compression options	HCG-CC ( RP 240 / RP 210-B / RP 100-B)	HCG-FS-78-01	
	HCG-CC ( RP 240 / RP 210-B / RP 100-B)	HCG-FRAMESET-7/8	

Frequency band	VSWR	Return loss (dB)
555–1000 MHz	1.02	40
1000–2700 MHz	1.03	36
2700–3800 MHz	1.05	32
3800–6000 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	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	< -120 dB	@ 0-1 GHz

Mechanical	Specification	Comment
Pull force combined	1.56 kN   > 350 lb	Cable limited
Cable retention torque	21.7 N·m   16 lbf·ft	Cable limited
Interface durability	50 cycles	IEC 61169-4:9.5

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



# UPL-DF-78

## 7-16 DIN Female Connector for 7/8" Plenum 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