



[Installation video](#)



[Installation instructions](#)



Contact technical support:  
1-888-201-6073  
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General	Specification			
<b>Interface/gender</b>	7-16 DIN Male			
<b>Cables supported<sup>1</sup></b>	CommScope	AVA5, AVA5RK	Eupen	EC5
		AL5	GT-SAT	HCTAY-50-22
		LDF5	Leoni Flexline	7/8"R
		VXL5	LS/Superior Essex	LHF 22D
	LCF78	LHF-22DU		
	RFS	LCF78-50JL	Hansen	RF5078
		UCF78	Rosenberger	SL 7/8"
NK Draka	RFA78	Hengxin	HCTAY-50-22	
<b>Weight</b>	0.629 lb   285.3 g	<b>JMA Weather Protection System</b>		WPS-5

Tools required	JMA part number	Comment
<b>Cable preparation</b>	SP-78	No coring required
<b>Connector compression</b>	HCG-FRAMESET-7/8, HCG-CC	
<b>Torque wrench</b>	TQ-114-F18	18 lbf-ft   24.4 N·m

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
<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>	4000 V	
<b>Center contact resistance</b>	≤0.4 milliohm	
<b>Outer contact continuity</b>	1.5 milliohm max.	
<b>Average power</b>	3000 W @ 900 MHz	
<b>Peak power, max.</b>	40 kW	
<b>Insertion loss, typical</b>	0.05 dB	Per connector
<b>Shielding effectiveness</b>	< -130 dB	@ 0-1 GHz

Mechanical	Specification	Comment
<b>Pull force combined</b>	1.56 kN   > 350 lb	Cable limited
<b>Cable retention torque</b>	21.69 N·m   16 lbf-ft	Cable limited
<b>Interface durability</b>	500 cycles	IEC 61169-4:9.5

Environmental	Specification	Test
<b>Operating temperature</b>	-55 °C to +85 °C (-67 °F to 185 °F)	
<b>Storage temperature</b>	-55 °C to +85 °C (-67 °F to 185 °F)	
<b>Accelerated UV</b>	1000 hr	ASTM G154
<b>Immersion test method</b>	Mated & unmated, IP68	IEC 60529:2001 & ANSI/SCTE 60
<b>Water jetting test method</b>	Mated & unmated, IP66	IEC 60529:2001
<b>Mechanical shock test method</b>	Pass	IEC 60068-2-27
<b>Thermal shock test method</b>	Pass	IEC 60068-2-14
<b>Vibration test method</b>	100 m/s <sup>2</sup> , 2 Hz to 200 Hz	IEC 61169-1:2003
<b>Corrosion test method</b>	1000 hr	IEC 60068-2-11

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