



[Installation video](#)



[Installation instructions](#)



Contact technical support:
1-888-201-6073
techsupport@jmwireless.com

General		Specification		
Interface/gender		4.1-9.5 Mini DIN Male		
Cables supported¹	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	
Weight	lb g	JMA Weather Protection System		N/A
Tools required		JMA part number		Comment
Cable preparation		SP-78		No coring required
Connector compression		HCG-FRAMESET-7/8, HCG-CC		
Torque wrench		TQ-78-F8		8 lbf-ft 10.85 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
Connector impedance		50 ohm		
Operating frequency band		DC–6 GHz		
3rd order IMD dynamic, (PIM)		-161 dBc, typical		IEC 62037-2, -3
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		< -130 dB		@ 0-1 GHz
Mechanical		Specification		Comment
Pull force combined		1.56 kN > 350 lb		Cable limited
Cable retention torque		21.69 N·m 16 lbf-ft		Cable limited
Interface durability		500 cycles		IEC 61169-4:9.5
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

¹For cable types not listed, please contact JMA Technical Support.