



[Installation video](#)



[Installation instructions](#)



Contact technical support:

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General	Specification			
Interface/gender	N female			
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	0.514 lb 233.1 g	JMA Weather Protection System		N/A

Tools required	JMA part number	Comment
Cable preparation	SP-78	No coring required
Connector compression	HCG-FRAMESET-78, HCG-CC	
Hex width	35 mm 1-3/8 in.	

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	2000 V	
Center contact resistance	≤ 0.4 milliohm	
Outer contact continuity	1.5 milliohm max.	
Average power	3000 W @ 900 MHz	
Peak power, max.	10 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	50 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.