



[Installation video](#)



[Installation instructions](#)



Contact technical support:

1-888-201-6073

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General		Specification		
Interface/gender	7-16 Female			
Cables supported ¹	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	
Connector compression	HCG-FRAMESET-78, HCG-CC			
Hex width	35 mm 1-3/8 in.			
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
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.