



[Installation video](#)



[Installation instructions](#)



Contact technical support:

1-888-201-6073

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General		Specification			
Interface/gender	7-16 DIN female				
Cables supported¹	RFS	UCF114	CommScope	AVA6	
	NK Draka	RFA114		AL6	
	Eupen Flexline	1-1/4"R	Rosenberger	SL 1-1/4" R	
	LS/Superior Essex	LHF 33D			
Weight	1.056 lb 479.0 g				
JMA Weather Protection System	WPS-6 used for in-line connections only				
Tools required		JMA part number		Comment	
Cable preparation	SP-114		No coring required		
Connector compression	HCG-FRAMESET-114, HCG-CC				
Hex width	38 mm 1-1/2 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	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	1.89 kN > 425 lb		Cable limited		
Cable retention torque	54.2 N·m 40 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.