



[Installation instructions](#)



Contact technical support:

1-888-201-6073

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General		Specification			
Interface/gender		7-16 DIN female			
Cables supported ¹	RFS	LCF12	LS/Superior Essex	HFC 12D	
	NK Draka	RFA1200		HFAC 12D	
	CommScope	LDF4	Leoni Flexline	1/2"R	
		LDF4RK	Hansen	RF5012	
		LDF4 RN		RF5012Z	
	Eupen	EC4	Rosenberger	SL 1/2" R	
Weight		0.22 lb 99.79 g			
JMA Weather Protection System		N/A			
Tools required		JMA part number		Comment	
Cable preparation		SP-1/2-LDF4D		"U" bit	
Connector compression		HCG-FRAMESET-1/2, HCG-CC		Insert A	
Hex width		32 mm 1-1/4 in.			
Frequency band		VSWR		Return loss (dB)	
555–1000 MHz (0-1 GHz)		1.02		40	
1000–2700 MHz (1-2 GHz)		1.03		36	
2700–3800 MHz (2-4 GHz)		1.05		32	
3800–6000 MHz (4-6 GHz)		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, -3	
DC test voltage		4000 V			
Center contact resistance		≤ 0.8 milliohm			
Outer contact continuity		1.5 milliohm max.			
Average power		1100 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		1.1 kN >250 lb		Cable limited	
Cable retention torque		6.7 N·m 5 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		750 hr		IEC 60068-2-11	

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

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