



[Installation video](#)



[Installation instructions](#)



Contact technical support:

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General	Specification	
Interface/gender	7-16 DIN female	
Cables supported¹	Andrew AVA7, AVA7RK, AL7, VXL7, LDF76; RFS LCG158; NK Draka RFA158; Eupen EC7; LS/Superior Essex LHF 42D, LHF-42DUF; Rosenberger SL 1-5/8"R	
Weight	1.262 lb 572.4 g	
JMA Weather Protection System	WPS-7 used for in-line connections only	
Tools required	JMA part number	Comment
Cable preparation	SP-158	No coring required
Connector compression	HCG-FRAMESET-158, 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 60237-02, -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	2.67 kN > 600 lb	Cable limited
Cable retention torque	67.8 N·m 50 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.

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