CXP-4MT-12

4.3-10 Male Torque Connector for 1/2" Annular Cable



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Installation instructions

Contact technical support: 1-888-201-6073 techsupport@jmawireless.com

General	Specification	Specification			
Interface/gender	4.3-10 Male, torq	4.3-10 Male, torque type			
Cables supported ¹	RFS	LCF12		HFC 12D	
	NK Draka	RFA1200	LS/Superior Essex	HFAC 12D	
	CommScope	LDF4	Hansen	RF5012	
		LDF4RK		RF5012Z	
		LDF4 RN	Leoni Flexline	1/2"R	
	Eupen	EC4	Rosenberger	SL 1/2" R	
Weight	97.3 g 0.214 lb		·		
JMA Weather Protection System WPS-N-4A					
Tools required	JMA part number		Comment		
Cable preparation	SP-1/2-LDF4D			"U" bit	
Connector compression	HCG-FRAMES	HCG-FRAMESET-1/2, HCG-CC		Insert D	
Torque wrench	TQ-78-F8	TQ-78-F8		10.8 N·m 8 lbf·ft	
Frequency band	VSWR		Return loss (dB)		
555–1000 MHz	1.02		40		
1000–2700 MHz	1.03		36		
2700–3800 MHz	1.07		32		
3800–6000 MHz	1.15		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	2500 V				
Center contact resistance	≤1.00 milliohm	≤1.00 milliohm			
Outer contact continuity	1.00 milliohm m	1.00 milliohm max.			
Average power	600 W @ 900 N	600 W @ 900 MHz			
Peak power, max.	15 kW				
Insertion loss, typical	0.05 dB		Per connector	Per connector	
Shielding effectiveness	< -120 dB	<-120 dB		@ 0-1 GHz	
Mechanical	Specification	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	100 cycles		IEC 61169-4:9.5		
Environmental	Specification	Specification		Test	
Operating temperature	-55 °C to +85 °C	-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 & unmat	Mated & unmated, IP68		IEC 60529:2001 & ANSI/SCTE 60	
Water jetting test method	Mated & unmat	Mated & unmated, IP66		IEC 60529:2001	
Mechanical shock test method	Pass	Pass		IEC 60068-2-27	
Thermal shock test method	Pass	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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