

4.3-10 Male Push-Pull Connector for 1/2" Coaxial Cable, OMNI FIT™ standard, O-ring sealing

OMNI FIT^M high performance connectors are designed for use with both CELLFLEX® (copper) and CELLFLEX® Lite (aluminum) cables. They are designed specifically to provide the highest quality connector-cable interface while simplifying and speeding up connector attachment. The 4.3-10 connector is an innovative, space-saving RF connection meeting all requirements even under the most severe environmental conditions and not relying on coupling nut torque to meet PIM performance.

Push-Pull lock and unlock attachment mechanism that is ideal for the smallest installation spaces. FEATURES / BENEFITS

- Cost effective two-piece design for safe and easy installation
- Compatible with copper and aluminium cable types i.e. one connector for both outer conductor materials eliminates the risk of faulty connector installation and helps to keep inventory down
- Robust mechanical design for low and consistent intermodulation performance i.e. keeps the mobile network performance up reduces the number of dropped calls and avoids revenue losses
- Superior electrical performance for consistent and repeatable VSWR i.e. ensure network system performance
- Waterproof to IP 68 i.e. no downtime risk, secures revenue
- RoHS (EU) and CRoHS (China) compliant i.e. can be used on a global basis
- Push-Pull Type connector possesses special mechanical design to support quickest lock & unlock feature within the most confined smallest installation space where only accommodates one of the hands



43MP-LCF12-C03

Technical features

GENERAL SPECIFICATIONS

Transmission Line Type	Coaxial Cable				
Cable Size	1/2				
Cable Type	Foam Dielectric Radiating		Radiating		
Model Series	LCF12-50 Series	ICA12-50 Series RCF12-50 Series		RCF12-50 Series	
Connector Interface	4.3-10 Push-Pull				
Connector Type	OMNI FIT™ Standard				
Sealing Method	O-ring				
Gender	Male				

ELECTRICAL SPECIFICATIONS

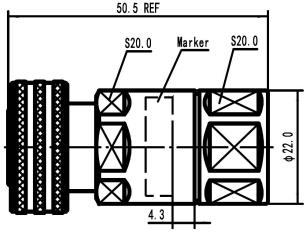
Nominal Impedance, ohms	Ohm	50	
3rd Order IM Product @ 2x20 Watts	dBc	-162 ; typical -166	
Maximum Frequency	GHz	6.0	
VSWR, Return Loss VSWR (dB) 1.0 < $f \le 2.7$ GHz: 2.7 < $f \le 3.7$ GHz: 3.7 < $f \le 5.0$ GHz:		0 < $f \le 1.0$ GHz: 1.03 (36.6) 1.0 < $f \le 2.7$ GHz: 1.04 (34.1) 2.7 < $f \le 3.7$ GHz: 1.08 (28.3) 3.7 < $f \le 5.0$ GHz: 1.10 (26.4) 5.0 < $f \le 6.0$ GHz: 1.25 (19.1)	

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MECHANICAL SPECIFICATIONS Plating Outer/Inner Trimetal/Silver Length 51 (2) mm (in) **Outer Diameter** 25 (1) mm (in) **Inner Contact Attachment** Spring Finger **Outer Contact Attachment** Spring C-Ring **ACCESSORIES** Wrench size front mm (in) 20 (13/16) Wrench size rear 20 (13/16) mm (in) **Trimming Tool** TRIM-SET-L12-C02 **TESTING AND ENVIRONMENTAL Waterproof Level** IP68



43MP-LCF12-C03 Outline drawing

External Document Links Installation Instruction

Notes

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