

OMNI FIT<sup>™</sup> 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 c onnector-cable interface while simplifying and speeding up connector attachment. The 4.3-10 co nnector is an innovative, space-saving RF connection meeting all requirements even under the m ost severe environmental conditions and not relying on coupling nut torque to meet PIM perform ance.

## 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 conducto r 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 loss es
- Superior electrical performance for consistent and repeatable VSWR i.e. ensure network syste m 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

## **Technical features**

## **GENERAL SPECIFICATIONS**

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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
Connector Interface		4.3-10		
Connector Type		OMNI FIT™ Standard		
Sealing Method		O-ring		
Gender		Male		
ELECTRICAL SPECIFICATIONS				
Nominal Impedance, ohms	Ohm	50		
3rd Order IM Product @ 2x2 0 Watts	dBc	-162 ; typical -166		
Maximum Frequency	GHz	6.0		
VSWR, Return Loss		0 < f ≤ 1.0 GHz: 1.03 (36.6)		
		1.0 < f ≤ 2.7 GHz: 1.04 (34.1)		
	VSWR (dB)			
		3.7 < f ≤ 5.0 GHz: 1.10 (26.4) 5.0 < f ≤ 6.0 GHz: 1.25 (19.1)		
MECHANICAL SPECIFICATIONS			5.0 ⁢, 1 2 0.0 GHz. 1.25 (	19.1)
Plating Outer/Inner		Trimetal/Silver		
Length	mm (in)	51 (2)		
Outer Diameter	mm (in)	25 (1)		
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Weight	kg (lb)	0.075 (0.17)		
Inner Contact Attachment		Spring Finger		
Outer Contact Attachment		Spring C-Ring		

43M-LCF12-C03

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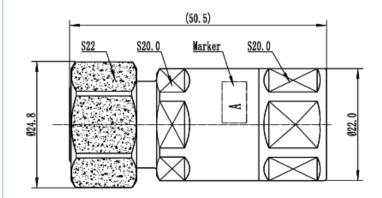




## PRODUCT DATASHEET 43M-LCF12-C03

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

ACCESSORIES				
Wrench size front	mm (in)	20 (13/16)		
Wrench size rear	mm (in)	20 (13/16)		
Trimming Tool		TRIM-SET-L12-C02		
TESTING AND ENVIRONMENTAL				
Waterproof Level		IP68		



43M-LCF12-C03 Outline Drawing

External Document Links Installation Instruction Notes

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