



**43M-LCF158-E01**

**4.3-10 Male Straight Connector for 1 5/8" Coaxial Cable, OMNI FIT™ Premium, O-Ring and compression sealing**

OMNI FIT™ high performance connectors are designed for use with both CELLFLEX® (copper) and CELLFLEX® Lite (aluminium) cables. They are designed specifically to provide the highest quality connector-cable interface while simplifying and speeding up connector attachment. All RFS Technologies connectors are fully tested for mechanical and electrical compliance to industry specifications.

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. Sealing against outer conductor and jacket by means of the o-ring and 360° compression fit.

Multifunctional, self-lubricating HighTech polymer assembly locks on cable corrugation, avoids electrochemical potential differences and compression-fits to the jacket

**FEATURES / BENEFITS**

- Ultra high PIM performance i.e. reduced interference leading to high customer satisfaction
- Two-piece design i.e. visual inspection of interlocking leads to improved installation security
- OMNI FIT™ concept i.e. streamlined order management and reduced stock level
- Watertight sealing in mated and unmated condition, i.e. reduced efforts during installation and improved security during operation
- Tri metal alloy plating i.e. extreme resistance against corrosion even under hardest climatic and environmental circumstances
- Multi-thread (Tristart) design i.e. simplified and accelerated tightening process
- RoHS (EU) and CRoHS (China) compliant i.e. can be used on a global basis



**Technical features**

**GENERAL SPECIFICATIONS**

<b>Transmission Line Type</b>		Coaxial Cable	
<b>Cable Size</b>		1 5/8	
<b>Cable Type</b>		Foam Dielectric	Radiating
<b>Model Series</b>		LCF158-50A-Series	LCF158-50L-Series
<b>Connector Interface</b>		4.3-10	
<b>Connector Type</b>		OMNI FIT™ PREMIUM Straight	
<b>Sealing Method</b>		O-ring	
<b>Gender</b>		Male	

**ELECTRICAL SPECIFICATIONS**

<b>Nominal Impedance, ohms</b>	Ohm	50	
<b>3rd Order IM Product @ 2x20 Watts</b>	dBc	-163, typical -167dBc	
<b>Maximum Frequency</b>	GHz	2.75	
<b>VSWR, Return Loss</b>	VSWR (dB)	0 &lt; f ≤ 1.0 GHz: 1.02 (40.1) 1.0 &lt; f ≤ 2.2 GHz: 1.03 (36.6) 2.2 &lt; f ≤ 2.75 GHz: 1.06 (30.7)	



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**MECHANICAL SPECIFICATIONS**

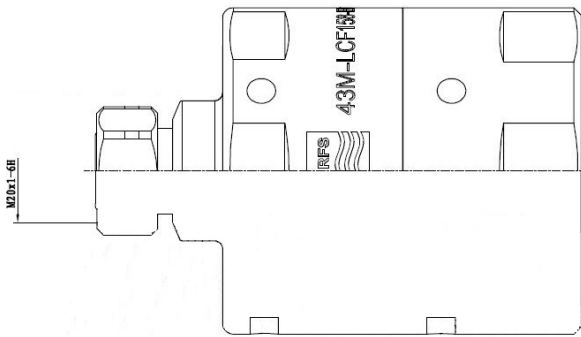
<b>Plating Outer/Inner</b>		Trimetal/Silver
<b>Length</b>	mm (in)	94.6 (3.724)
<b>Outer Diameter</b>	mm (in)	62.8 (2.472)
<b>Inner Contact Attachment</b>		Spring Finger
<b>Outer Contact Attachment</b>		Spring Claw

**ACCESSORIES**

<b>Wrench size front</b>	mm (in)	60
<b>Wrench size rear</b>	mm (in)	60
<b>Poly Hook Spanner</b>	mm (in)	PHS 60-90-5 Ø 60-90 (2.3-3.5) Pin 5 (0.2)

**TESTING AND ENVIRONMENTAL**

<b>Waterproof Level</b>		IP68
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External Document Links

Notes