

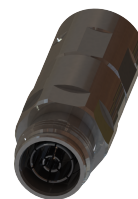
**43F-LCF12-E01****4.3-10 Female Straight Connector for 1/2" Coaxial Cable, OMNI FIT™ Premium, O-Ring and compression sealing**

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 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**

|                        |  |                                                   |
|------------------------|--|---------------------------------------------------|
| Transmission Line Type |  | Coaxial Cable                                     |
| Cable Size             |  | 1/2                                               |
| Cable Type             |  | Foam Dielectric                                   |
| Model Series           |  | LCF12-50 Series, ICA12-50 Series, RCF12-50 Series |
| Connector Interface    |  | 4.3-10                                            |
| Connector Type         |  | OMNI FIT™ PREMIUM Straight                        |
| Sealing Method         |  | Sealing Rubber + 360° Clamping                    |
| Gender                 |  | Female                                            |

**ELECTRICAL SPECIFICATIONS**

|                                   |           |                                                                                                                                                                                                                |
|-----------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nominal Impedance, ohms           | Ohm       | 50                                                                                                                                                                                                             |
| 3rd Order IM Product @ 2x20 Watts | dBc       | -163 ; typical -167                                                                                                                                                                                            |
| Maximum Frequency                 | GHz       | 6.0                                                                                                                                                                                                            |
| VSWR, Return Loss                 | VSWR (dB) | 0 &lt; f ≤ 1.0 GHz: 1.02 (40.1)<br>1.0 &lt; f ≤ 2.2 GHz: 1.03 (37)<br>2.2 &lt; f ≤ 2.7 GHz: 1.03 (36)<br>2.7 &lt; f ≤ 3.8 GHz: 1.06 (31)<br>3.8 &lt; f ≤ 5.0 GHz: 1.11 (26)<br>5.0 &lt; f ≤ 6.0 GHz: 1.15 (23) |

**MECHANICAL SPECIFICATIONS**

|                          |         |               |
|--------------------------|---------|---------------|
| Plating Outer/Inner      |         | NiTin/Silver  |
| Length                   | mm (in) | 62.7 (2.47)   |
| Outer Diameter           | mm (in) | 25 (0.98)     |
| Weight                   | kg (lb) | 103.4 (0.228) |
| Inner Contact Attachment |         | Basket        |
| Outer Contact Attachment |         | 360° clamping |



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ACCESSORIES

|                   |         |                                    |
|-------------------|---------|------------------------------------|
| Wrench size front | mm (in) | 22 (7/8)                           |
| Wrench size rear  | mm (in) | 22 (7/8)                           |
| Trimming Tool     |         | TRIM-SET-L12-D01, TRIM-LCF12-D01-A |

TESTING AND ENVIRONMENTAL

|                       |         |                        |
|-----------------------|---------|------------------------|
| Waterproof Level      |         | IP68                   |
| STORAGE TEMPERATURE   | °C (°F) | -10 to 40 (14 to 104)  |
| OPERATION TEMPERATURE | °C (°F) | -40 to 85 (-40 to 185) |

External Document Links  
[Installation Instruction](#)

Notes