

**4.3-10 Male Straight Connector for 1 1/4" 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 1/4                          |
| Cable Type             |  | Foam Dielectric                |
| Connector Interface    |  | 4.3-10                         |
| Connector Type         |  | OMNI FIT™ PREMIUM Straight     |
| Sealing Method         |  | Sealing Rubber + 360° Clamping |
| Gender                 |  | Male                           |

**ELECTRICAL SPECIFICATIONS**

|                                   |           |                                                                                                                                        |
|-----------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------|
| Nominal Impedance, ohms           | Ohm       | 50                                                                                                                                     |
| 3rd Order IM Product @ 2x20 Watts | dBc       | -163 ; typical -167                                                                                                                    |
| Maximum Frequency                 | GHz       | 3,6                                                                                                                                    |
| VSWR, Return Loss                 | VSWR (dB) | 0 &lt; f ≤ 1.0 GHz: 1.02 (40)<br>1.0 &lt; f ≤ 2.2 GHz: 1.04 (34)<br>2.2 &lt; f ≤ 2.7 GHz: 1.06 (31)<br>2.7 &lt; f ≤ 3.6 GHz: 1.08 (28) |

**MECHANICAL SPECIFICATIONS**

|                          |         |                          |
|--------------------------|---------|--------------------------|
| Plating Outer/Inner      |         | Tri metal alloy / Silver |
| Length                   | mm (in) | 81.6 (3.213)             |
| Outer Diameter           | mm (in) | 50.95 (2)                |
| Inner Contact Attachment |         | Basket                   |
| Outer Contact Attachment |         | 360° clamping            |

**ACCESSORIES**

|                   |         |    |
|-------------------|---------|----|
| Wrench size front | mm (in) | 48 |
| Wrench size rear  | mm (in) | 48 |



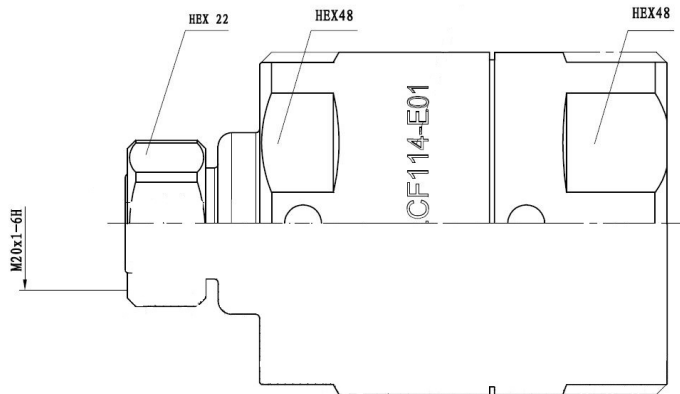
## 43M-LCF114-E01

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### TESTING AND ENVIRONMENTAL

Waterproof Level

IP68



#### External Document Links

[Installation Instruction](#)

#### Notes