

# 4.3-10 Male Premium Connector for 1/4" Coaxial Cable, Straight,

OMNI FIT™ high performance connectors are designed for CELLFLEX® 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

**External Document Links** 

Notes

Installation Instruction

## **Technical features**

#### **GENERAL SPECIFICATIONS**

Transmission Line Type	Coaxial Cable
Cable Size	1/4
Cable Type	Foam Dielectric Superflexible
Model Series	SCF14-50 Series
Connector Interface	4.3-10
Connector Type	OMNI FIT™ PREMIUM Straight
Sealing Method	Polymer claw + 360° Compression
Gender	Male

### **ELECTRICAL SPECIFICATIONS**

Nominal Impedance, ohms	Ohm	50
3rd Order IM Product @ 2x20 Watts	dBc	-163 ; typical -167
Maximum Frequency	GHz	6
VSWR, Return Loss	VSWR (dB)	DC &It $f \le 1.0 \text{ GHz: } 1.03 \text{ (37)}$ $1.0 \text{ &It } f \le 2.2 \text{ GHz: } 1.06 \text{ (31)}$ $2.2 \text{ &It } f \le 2.7 \text{ GHz: } 1.08 \text{ (28)}$ $2.7 \text{ &It } f \le 3.8 \text{ GHz: } 1.12 \text{ (25)}$ $3.8 \text{ &It } f \le 5.0 \text{ GHz: } 1.17 \text{ (22)}$ $5.0 \text{ &It } f \le 6.0 \text{ GHz: } 1.22 \text{ (20)}$

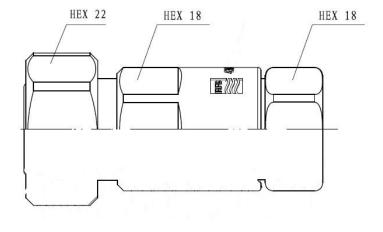
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MECHANICAL SPECIFICATIONS				
Plating Outer/Inner		Tri metal alloy / Silver		
Length	mm (in)	49 (1.929)		
Outer Diameter	mm (in)	20 (0.787)		
Inner Contact Attachment		Basket		
Outer Contact Attachment		360° clamping		
ACCESSORIES				
Wrench size front	mm (in)	18		
Wrench size rear	mm (in)	18		
Trimming Tool		TRIM-Series-A		
TESTING AND ENVIRONMENTAL				
Waterproof Level		IP68		



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