

## 4.3-10 Male Push-Pull Connector for 1/2" Coaxial SuperFlexibleCable, OMNI FIT™ standard

OMNI FIT™ 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 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 to meet PIM performance.

Push-Pull lock and unlock attachment mechanism that is ideal for the smallest installation spaces. FEATURES / BENEFITS

- Cost effective two-piece design for safe and easy installation
- 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 losses
- Standard electrical performance for consistent and repeatable VSWR i.e. ensure network system performance
- Waterproof to IP 68 i.e. no downtime risk, secures revenue
- RoHS (EU) compliant i.e. can be used on a global basis
- Push-Pull Type connector possesses special mechanical design to support quickest lock & unlock feature within the most confined smallest installation space where only accommodates one of the hands



43MP-SCF12-C03

External Document Links Installation Instruction

### **Technical features**

#### **GENERAL SPECIFICATIONS**

Transmission Line Type	Coaxial Cable
Cable Size	1/2
Cable Type	Foam Dielectric Superflexible
Model Series	SCF12-50 Series
Connector Interface	4.3-10 Push-Pull
Connector Type	OMNI FIT™ Standard
Sealing Method	O-ring
Gender	Male

Notes

#### **ELECTRICAL SPECIFICATIONS**

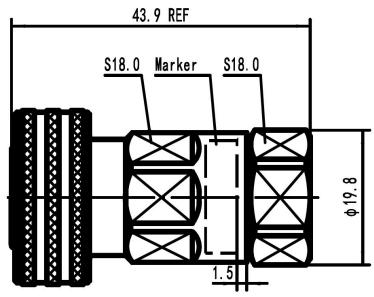
Nominal Impedance, ohms	Ohm	50
3rd Order IM Product @ 2x20 Watts	dBc	-162 ; typical -166
Maximum Frequency	GHz	6.0
VSWR, Return Loss	VSWR (dB)	0 < $f \le 1.0$ GHz: 1.03 (36.6) 1.0 < $f \le 2.7$ GHz: 1.04 (34.1) 2.7 < $f \le 3.7$ GHz: 1.08 (28.3) 3.7 < $f \le 5.0$ GHz: 1.10 (26.4) 5.0 < $f \le 6.0$ GHz: 1.25 (19.1)

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MECHANICAL SPECIFICATIONS				
Plating Outer/Inner		Trimetal/Silver		
Length	mm (in)	43.9 (1.73)		
Outer Diameter	mm (in)	25 (1)		
Inner Contact Attachment		Basket		
Outer Contact Attachment		Rigidity impaction		
ACCESSORIES				
Wrench size front	mm (in)	18 (3/4)		
Wrench size rear	mm (in)	18 (3/4)		
Trimming Tool		TRIM-SET-S12-C02		
TESTING AND ENVIRONMENTAL				
Waterproof Level		IP68		



43MP-SCF12-C03 Outline drawing

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