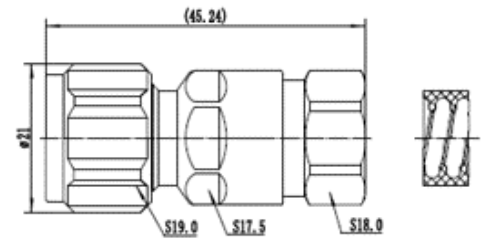




ECO Series connectors are designed for use with CELLFLEX® cables.

**FEATURES / BENEFITS**

- Cost effective two-piece design for safe and easy installation
- Superior electrical performance for consistent and repeatable VSWR i.e. ensure network system performance
- Waterproof to IP 67 i.e. no downtime risk, secures revenue
- RoHS (EU) and CRoHS (China) compliant i.e. can be used on a global basis



**Technical features**

**GENERAL SPECIFICATIONS**

Transmission Line Type		Coaxial Superflexible Cable
Cable Size		1/2
Cable Type		Foam Dielectric
Model Series		SCF12-50 Series
Connector Interface		N
Connector Type		ECO Series
Sealing Method		O-ring
Gender		Male

**ELECTRICAL SPECIFICATIONS**

Nominal Impedance, ohms	Ohm	50
3rd Order IM Product @ 2x20 Watts	dBc	-155
Maximum Frequency	GHz	6
VSWR, Return Loss	VSWR (dB)	DC < f ≤ 1000MHz: 1.10 (26.4) 1000 < f ≤ 2700MHz: 1.13 (24.3) 2700 < f ≤ 3000MHz: 1.15 (23.1) 3000 < f ≤ 5800: 1.30 (17.7)

**MECHANICAL SPECIFICATIONS**

Plating Outer/Inner		Trimetal/Silver
Length	mm (in)	45.3 (1.783)
Outer Diameter	mm (in)	21 (0.827)
Inner Contact Attachment		Spring Finger
Outer Contact Attachment		Spring Finger

**ACCESSORIES**

Wrench size front	mm (in)	17.5
Wrench size rear	mm (in)	18

**TESTING AND ENVIRONMENTAL**

Waterproof Level		IP67
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External Document Links

[10000037511-01\\_install-instr\\_conn-eco\\_scf12.pdf](https://www.rfs-world.com/10000037511-01_install-instr_conn-eco_scf12.pdf)

Notes