



RFS Technologies' high performance Compression 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 using compressing technologies. All RFS Technologies' connectors are fully tested for mechanical and electrical compliance to industry specifications.

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**

- One-piece design together with Compression tools to minimize installation time required, improve installation security
- Ultra high PIM performance i.e. reduced interference leading to high customer satisfaction
- Watertight sealing to IP68
- Tri metal alloy plating i.e. extreme resistance against corrosion even under hardest climatic and environmental circumstances
- RoHS (EU) and CRoHS (China) compliant i.e. can be used on a global basis



**External Document Links**

- [Installation Instruction](#)
- [Installation Video](#)

**Notes**

**Technical features**

**GENERAL SPECIFICATIONS**

<b>Transmission Line Type</b>		Coaxial Cable
<b>Cable Size</b>		1/4
<b>Cable Type</b>		Foam Dielectric Superflexible
<b>Model Series</b>		SCF14-50 Series
<b>Connector Interface</b>		7-16
<b>Connector Type</b>		Compression Connector PREMIUM Straight
<b>Sealing Method</b>		360° Compression
<b>Gender</b>		Male

**ELECTRICAL SPECIFICATIONS**

<b>Nominal Impedance, ohms</b>	Ohm	50
<b>Insertion loss</b>	dB	≤0.05
<b>3rd Order IM Product @ 2x20 Watts</b>	dBc	-160
<b>Maximum Frequency</b>	GHz	6
<b>VSWR, Return Loss</b>	VSWR (dB)	DC<f≤3.0 GHz: 1.05 (32.3) 3.0<f≤6.0 GHz: 1.10 (26.4)



MECHANICAL SPECIFICATIONS

Plating Outer/Inner		Tri metal alloy / Silver
Length	mm (in)	50.9 (2)
Outer Diameter	mm (in)	20.5 (0.807)
Weight	kg (lb)	0.115 (0.254)
Inner Contact Attachment		Compression
Outer Contact Attachment		360° clamping

ACCESSORIES

Trimming Tool		AFBXD05-32(Trimming), AFBXD07-1(Foam Remover), AFBXD09-3(Coring Bit)
---------------	--	--

TESTING AND ENVIRONMENTAL

Waterproof Level		IP68, additional weather-proofing boot AF2040530 needs to be installed before cable jumper assembly
OPERATIONTEMPERATURECF	°C(°F)	-40 to 85 (-40 to 185)

