



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



**Technical features**

**GENERAL SPECIFICATIONS**

<b>Transmission Line Type</b>		Coaxial Cable
<b>Cable Size</b>		1/2
<b>Cable Type</b>		Foam Dielectric Superflexible
<b>Model Series</b>		SCF12-50 Series
<b>Connector Interface</b>		N
<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**

<b>Plating Outer/Inner</b>		Tri metal alloy / Silver
<b>Length</b>	mm (in)	63.3 (2.49)
<b>Outer Diameter</b>	mm (in)	26 (1.024)
<b>Weight</b>	kg (lb)	0.153 (0.337)
<b>Inner Contact Attachment</b>		Compression
<b>Outer Contact Attachment</b>		360° clamping

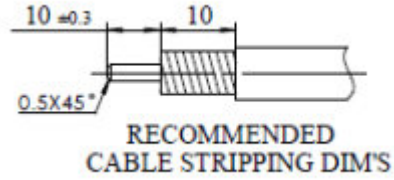
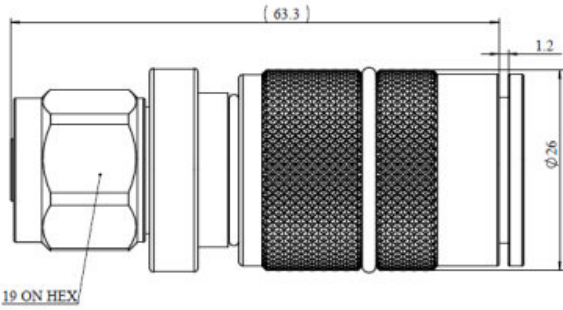


**ACCESSORIES**

<b>Trimming Tool</b>		AFBXD05 13(Trimming), AFBXD07 3(Foam Remover)
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**TESTING AND ENVIRONMENTAL**

<b>Waterproof Level</b>		IP68, additional weather-proofing boot AF2040677 needs to be installed before cable jumper assembly
<b>Operation Temperature</b>	°C(°F)	-40 to 85 (-40 to 185)



- External Document Links
- [Installation Instruction](#)
- [Installation Video](#)

Notes