



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.

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**

- 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>		4.3-10
<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

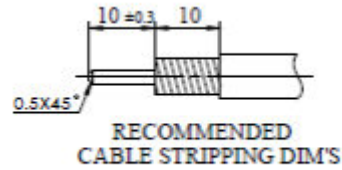
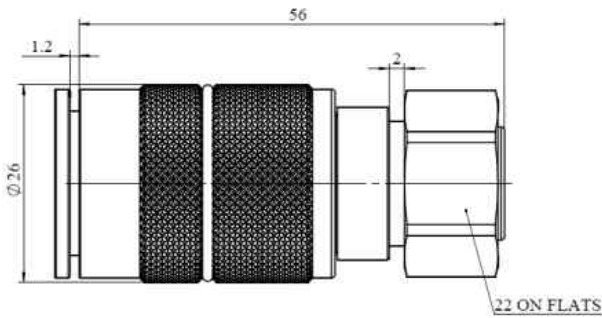
Plating Outer/Inner		Tri metal alloy / Silver
Length	mm (in)	56 (2.205)
Outer Diameter	mm (in)	26 (1.024)
Weight	kg (lb)	0.129 (0.284)
Inner Contact Attachment		Compression
Outer Contact Attachment		360° clamping

ACCESSORIES

Trimming Tool		AFBXD05-13(Trimming), AFBXD07-3(Foam Remover)
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TESTING AND ENVIRONMENTAL

Waterproof Level		IP68, additional weather-proofing boot AF2040567 needs to be installed before cable jumper assembly
Operation Temperature	°C(°F)	-40 to 85 (-40 to 185)



External Document Links

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

Notes