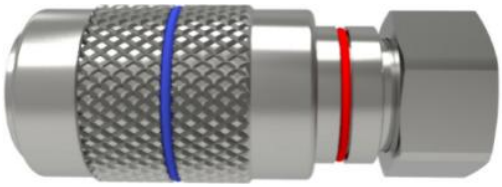
PRODUCT DATASHEET

43M-LCF12-CP01

4.3-10 Male Compression Connector for 1/2" Coaxial Low Loss Cable, Straight



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

Transmission Line Type		Coaxial Cable LCF12, ICA12, RCA12
Cable Size		1/2
Cable Type		Foam or Air Dielectric, Low Loss
Model Series		LCF12, ICA12, RCA12-50 Series
Connector Interface		4.3-10
Connector Type		Compression Connector PREMIUM Straight
Sealing Method		360° Compression
Gender		Male

ELECTRICAL SPECIFICATIONS

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

All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering

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MECHANICAL SPECIFICATIONS

Plating Outer/Inner		Tri metal alloy / Silver
Length	mm (in)	63.5 (2.5)
Outer Diameter	mm (in)	26 (1.024)
Weight	kg (lb)	0.134 (0.295)
Inner Contact Attachment		Compression
Outer Contact Attachment		360° clamping

ACCESSORIES

Trimming Tool		AFBXD05 2(Trimming), AFBXD07 4(Foam Remover)

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)

43m-lcf12-cp01 schematic.bmp

43m-lcf12-cp01 stripping.bmp

External Document Links

Installation Video, plenum ICA12, RCA12

Installation Instruction

Installation Video, foam LCF12

Notes

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