

KOAXIS.com

RF Cable Assemblies



Inside the Box & On the Bench

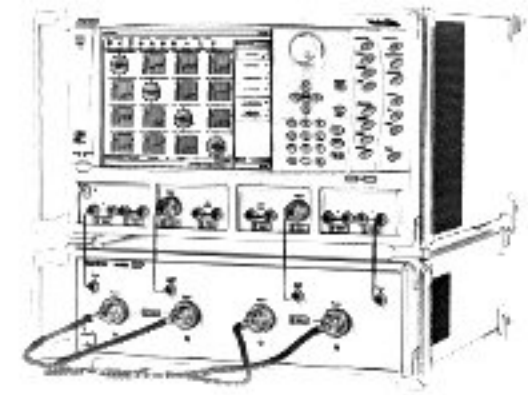
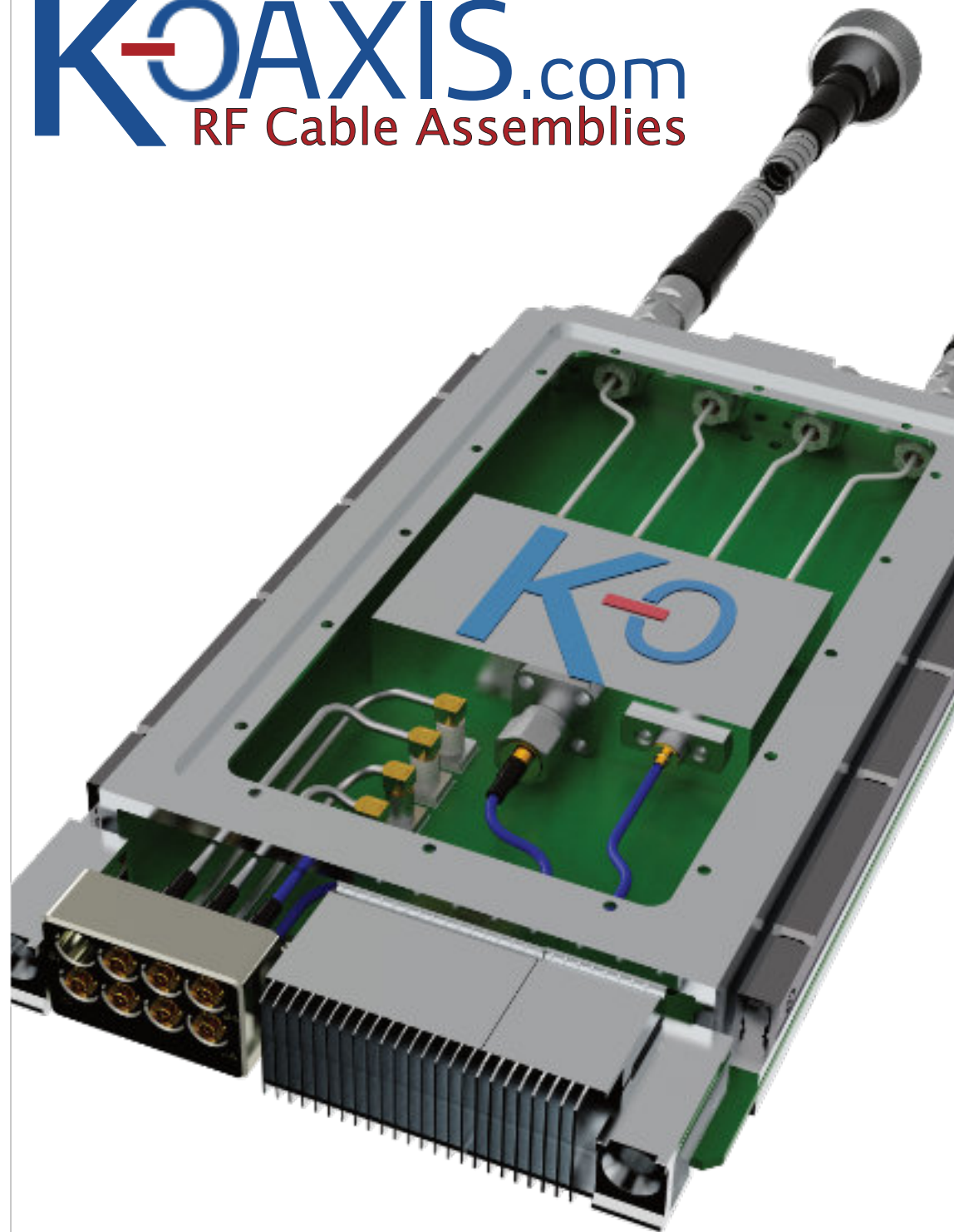
Woman Owned Small Business
Made in the USA

NAICS 334417 & 334419
Cage 3J9T5

Inside the Box

- Small diameter
- Higher frequency
- Compact Designs
- Semi-rigid
- Hand-formable
- Flexible
- 50 Ω and 75 Ω
- Low-loss
- Blind-mate
- RF Contacts
- Value-added RF Cables

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RF Cable Assemblies



On the Bench

- VNA Assemblies
- DC-67 GHz...for now
- Armored Assemblies
- Phase-stable v Flexure
- Phase-stable v Temp
- Phase-matched
- Delay-matched
- Low VSWR
- Whiplash™ Feature



Koaxis Capabilities

Laser-focused on Coaxial RF Cable Assemblies

Koaxis designs and manufactures our own connectors, for maximum performance and availability. We stock miles of small diameter cable to suit nearly every application, featuring our own K-Flex™ cable.



K-Flex™

semi-rigid replacements

solid PTFE

KF047 KF086 KF086-75 KF141

low loss PTFE

KF120

phase-stable Foamed PFA

KF047P KF086P KF120P

Semi-rigid

in stock & ready to bend

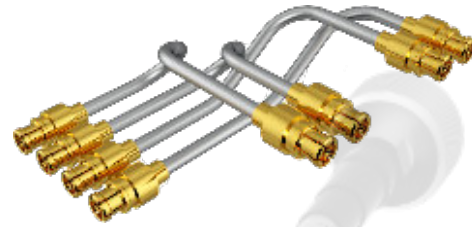
50 Ω solid PTFE & low-loss PTFE
.034" .047" .086" .120" .141" .250"
RG401 RG402 RG405

available plating

Bare and Tin-plated Copper
Tin-plated Aluminum
Silver-plated Copper

low & high impedance

25 Ω 75 Ω 93 Ω and more



Hand-formable

cost-effective semi-flexible

solid PTFE & low-loss PTFE

.034" .047" .086" .120" .141" .250"

two types

Tin-dipped Copper Braid (DC-18 GHz)
Tin-plated Aluminum (DC-67 GHz)

low & high impedance

25 Ω 75 Ω 93 Ω and more

Common Flexible

lower-cost Mil-DTL-17
RG179 RD179 RG316 RD316
RG142 RG223 RG400

low-loss low-smoke zero-halogen
LMR100 LMR195

Connector Series

designed for maximum performance

Crimped 50 Ω and 75 Ω

BNC G MCX Mini-SMB MMCX N
SC SMA SMB SMC SMZ SSMA
SSMB SSMC TNC U.FL

Soldered 50 Ω

1.85mm 2.4mm 2.92mm BMA
BNC MCX MMCX MMPX N SMA
SMB SMC SMP SMPM SMPs SSMA
SSMB SSMC TNC

RF Contacts

ARINC Combo-D M38999 VITA 67

Coaxial RF Splice

.047↔.086 .086↔.120 .086↔.141

Value-added

all of the bells & whistles

Electrical

Phase Delay & Attenuation-matched
Electronic & Printed Test Data

Mechanical

Custom-marked Bundled
Grounding Snaps Ferrites

Multi-coax RF Assemblies

Mil-DTL-38999 Mighty Mouse
Mil-DTL-24308 Combo D-sub
Micro-D ARINC-style



Inside the Box

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Higher frequency

Compact Designs

Semi-rigid

Hand-formable

Flexible

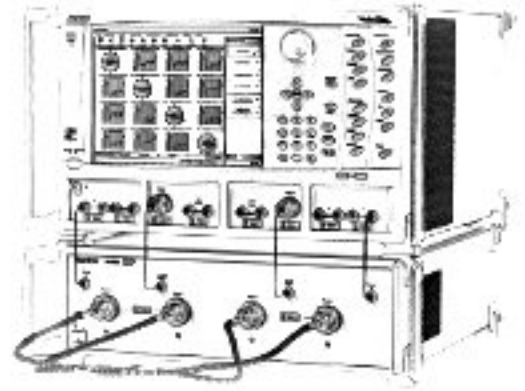
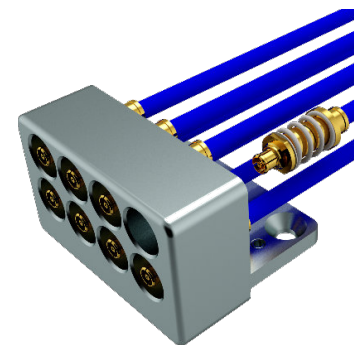
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Blind-mate

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