

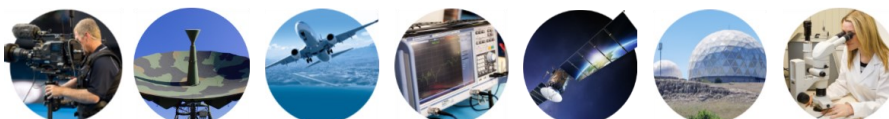


Low Loss Flexible VNA Test Cable

- Frequency DC-18GHz
- Ultra Low Loss
- Fast Velocity of Propagation
- Low Dielectric Constant
- Excellent Phase Stability
- RoHS Compliant

ETL Systems ACV series of flexible coaxial low loss VNA test cable assemblies are designed for general purpose use with laboratory and test equipment applications where low loss, flexibility, performance and affordability are key features. Connectors are either 2.92mm or 2.4mm male with passivated stainless steel bodies. Standard stock lengths range from 0.5 to 2.0 metres but custom cable lengths are also available to order up to 20 metres

General Specification	
Model	510006
Operating Frequency	DC-40GHz
Connectors	2.92mm Male
VSWR	1.30:1 max
Amplitude Stability	+/-0.03dB max
Phase Stability	+/-3 deg max
Attenuation	1.8dB/m @ 18 GHz 2.1dB/m @ 25.5 GHz 2.8dB/m @ 34 GHz
Cable Impedance	50 Ohm
Velocity of Propagation	76%
Operating Temperature	-40 to +85C
Cable Outside Diameter	6.4mm
Cable Jacket	FEP with a crush protection layer and braided outer Jacket
Outer Conductor	Silver Plated Copper Ribbon
Cable Dielectric	Low Density PTFE
Centre Conductor	Silver Plated Copper
Bend Radius	20mm





Specification	
Frequency (GHz)	Power Handling Typical Values @ 40C (Watts) CW
12	115
18	93
26.5	76
40	61

Specification					
Part Number	Previous Part Number	Connectors	Length (M)	Insertion Loss (dB) Typ.	VSWR (:1)
ACV-005-510006-K4K4	ACV-CA40-KMKM-0.5M	2.92mm Male/2.92mm Male	0.5	-2.2	1.2
ACV-010-510006-K4K4	ACV-CA40-KMKM-1.0M	2.92mm Male/2.92mm Male	1.0	-3.5	1.2
ACV-015-510006-K4K4	ACV-CA40-KMKM-1.5M	2.92mm Male/2.92mm Male	1.5	-5.2	1.2
ACV-020-510006-K4K4	ACV-CA40-KMKM-2.0M	2.92mm Male/2.92mm Male	2.0	-6.4	1.1

Specification					
Part Number	Previous Part Number	Connectors	Length	Insertion Loss	VSWR (:1)
ACV-24-510006-K4K4	ACV-CA40-KMKM-24	2.92mm	24	-2.5	1.1
ACV-36-510006-K4K4	ACV-CA40-KMKM-36	2.92mm	36	-3.2	1.1
ACV-48-510006-K4K4	ACV-CA40-KMKM-48	2.92mm	480	TBC	1.1

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.

Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

