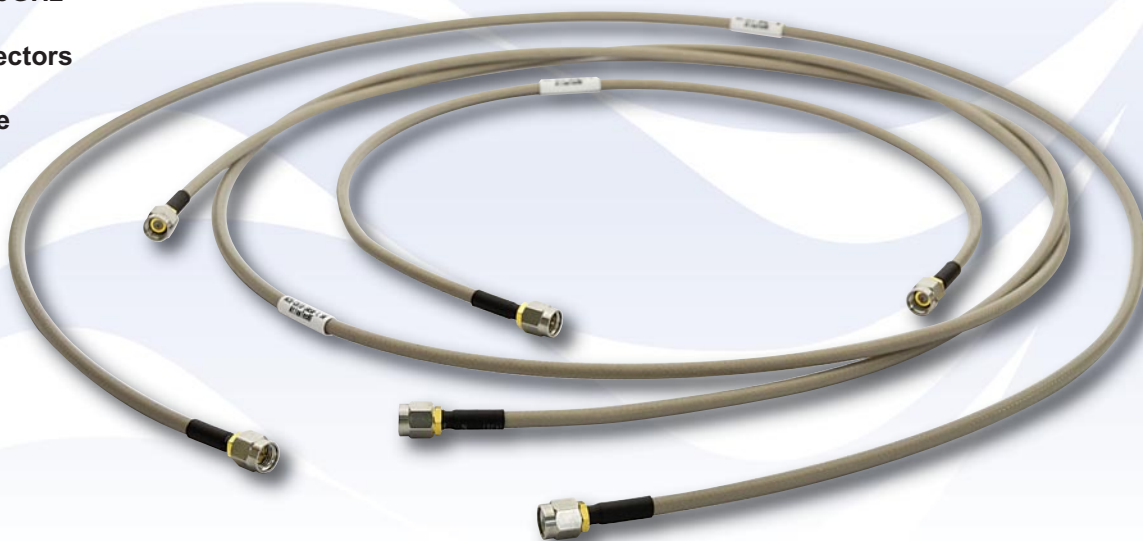


Small Diameter Test Cables

ACG-CA18 Series

- Frequency DC-26.5GHz
- FEP Jacket - Grey
- Anti-Torque Connectors
- Weight Saving
- Very Cost Effective
- RoHS Compliant



AtlantecRF's ACG series of flexible coaxial test cables provides the microwave test engineer with a versatile solution to laboratory test cabling. With a braided outer conductor over a silver plated spiral strip the cable can be repeatedly flexed maintaining performance essentially equivalent to formed copper semi-rigid of equivalent size.

The ACG range of STOCK lengths in standard assemblies will meet the requirements of most applications.

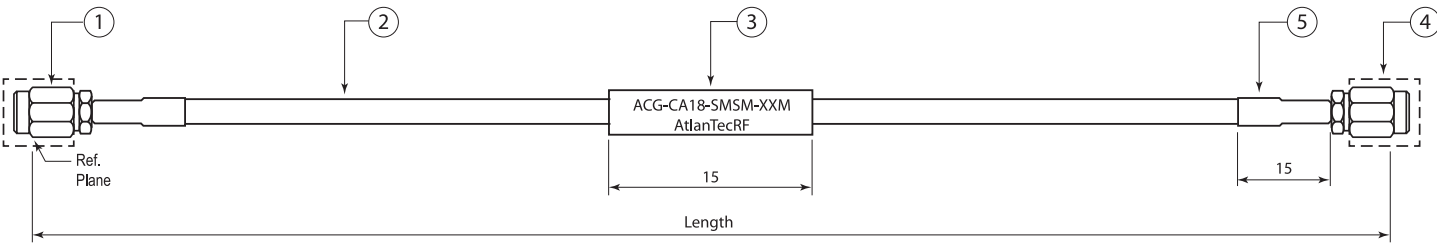
General Specifications

Standard Lengths	0.5 to 3.0m
Length Increments	0.5m
Length Tolerance	+/-1%
Length Datum	Connector Reference Plane
Standard Connectors	SMA Male, Anti-torque, Stainless Steel to Mil-C-39012
Connector Interface	MIL-STD-348
Anti-torque hex	0.250 ins.
Impedance	50 ohms
Centre Conductor Material	Silver Plated Copper-clad Steel
Dielectric Material	Solid PTFE
Inner Shield	Silver Plated Copper Spiral Strip
Outer Braid	Silver Plated Copper Wire Braid
Cable Jacket	FEP - Grey
Cable Diameter maximum	0.168 inches
Insulation Resistance	1000 MegOhms min.
Withstand Voltage	1000 VRMS min.
Maximum CW Power	40 Watts at 18GHz
Maximum Peak Power	1250 Watts
Velocity of Propagation	70% Nominal
Electrical Delay	120 picosec/inch
Shielding	90dB min.
Minimum Bend Radius	0.84 ins. (at centre line)
Operating Temp. Range	-65 to +105C
RoHS Compliant	

Test Cable Assemblies

Tel. +44 (0) 1376 550220 Fax. +44 (0) 1376 552145 Email: sales@atlantecrf.com www.atlantecrf.com
40A Springwood Drive, Braintree, Essex CM7 2YN, England

No.	Description
1	SMA Male Straight
2	Flexible RG-402 Cable
3	Marker (sliding) Shrink Tube (white)
4	Dust Cap
5	Strain Relief Shrink Bonding Tube (black)



Part Number	Cable Size O/D nom. Ins.	Connectors	Length (Metres)	Attenuation (dB) max.				VSWR (:1) max.					
				2.0 GHz	6.0 GHz	12.0 GHz	18.0 GHz	1.0 GHz	2.0 GHz	4.0 GHz	6.0 GHz	12.0 GHz	18.0 GHz
ACG-CA18-SMSM-0.5M	0.141	SMA Male/SMA Male	0.5	0.38	0.70	1.05	1.35	1.06	1.11	1.14	1.17	1.20	1.30
ACG-CA18-SMSM-1.0M	0.141	SMA Male/SMA Male	1.0	0.68	1.10	1.93	2.49	1.06	1.11	1.14	1.17	1.20	1.30
ACG-CA18-SMSM-1.5M	0.141	SMA Male/SMA Male	1.5	0.99	1.85	2.81	3.63	1.06	1.11	1.14	1.17	1.20	1.30
ACG-CA18-SMSM-2.0M	0.141	SMA Male/SMA Male	2.0	1.28	2.40	3.64	4.71	1.06	1.11	1.14	1.17	1.20	1.30
ACG-CA18-SMSM-2.5M	0.141	SMA Male/SMA Male	2.5	1.58	2.97	4.52	5.85	1.06	1.11	1.14	1.17	1.20	1.30
ACG-CA18-SMSM-3.0M	0.141	SMA Male/SMA Male	3.0	1.90	3.57	5.44	7.04	1.06	1.11	1.14	1.17	1.20	1.30

Power Handling (CW Watts) max.	Frequency (GHz)
208	1
144	2
98	4
78	6
52	12
40	18

Options
Custom Assembly Lengths, Alternative Connectors, Ident Sleeves

We reserve the right to change standard product specifications without notice but will be pleased to consider control drawings for quotation.