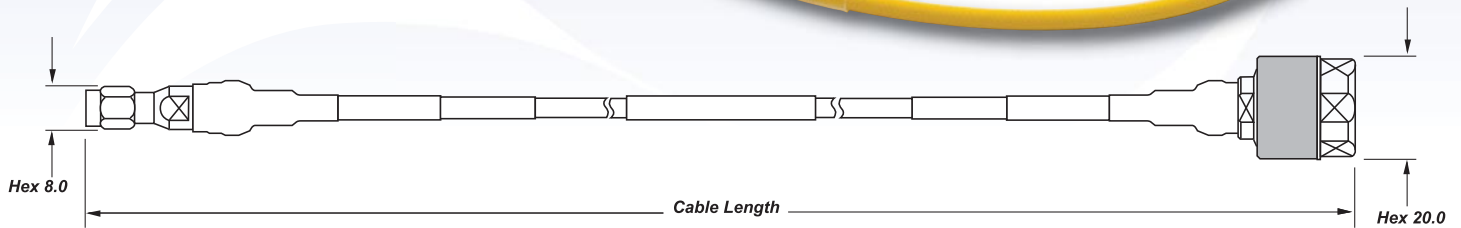


Low Loss Flexible Coaxial Test Cables

ACW-CA18 Series

- Frequency DC-26.5GHz (subject to connector type)
- Velocity of Propagation 77%
- FEP Jacket - Orange/White
- Low Loss
- Cost Effective
- Stock Availability
- RoHS Compliant



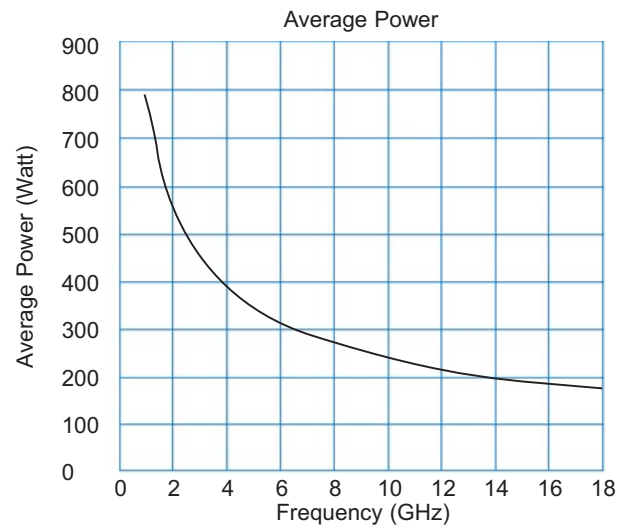
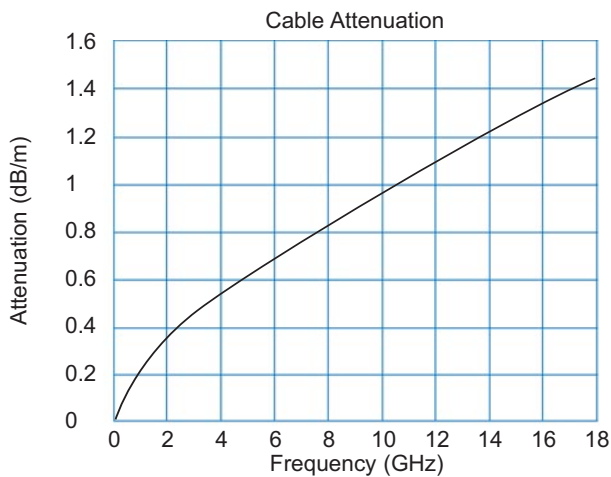
AtlantecRF's ACW series of coaxial cable assemblies are designed for general purpose laboratory and equipment applications where low loss, flexibility, performance and affordability are key features. Connectors have passivated stainless steel bodies in either SMA or Type N male. Standard STOCK lengths range from 0.5 to 5.0 metres but custom configurations of both cable length and connector type are also available to order.

General Specifications	
Operating Frequency	DC-26.5GHz (SMA): DC-18GHz (Type N)
Cable Impedance	50 (+/-1) ohms
Velocity of Propagation	77%
Insertion Loss	1.35dB/m @ 18GHz max.
Insertion Loss Stability	In accordance with 'MIL-T-81490'
VSWR	1.35:1 max.
VSWR Stability	In accordance with 'MIL-T-81490'
RF Leakage	-90dB @ 18GHz
Operating Voltage	2500V max. (1000V with SMA)
Cable Outside Diameter	5.7mm
Cable Jacket	FEP (Fluorinated Ethylene Propylene) – Orange/White
Outer Conductor	Silver Plated Copper Braid
Inner Shield	SPC Foil
Cable Dielectric	Low Density PTFE
Centre Conductor	Solid Silver Plated Copper
Flexure	In accordance with 'MIL-T-81490 and MIL-C-87104'
Bend Radius	25.4cm
Weight	64g/m
Temperature Range	-40 to +125C
Chemical Resistance	In accordance with 'MIL-T-81490 and MIL-C-87104'
Salt Fog	In accordance with 'MIL-T-81490 and MIL-C-87104'
Humidity	In accordance with 'MIL-T-81490 and MIL-C-87104'
Abrasion Resistance	In accordance with 'MIL-T-81490 and MIL-C-87104'
Cable Tensile Strength	75lbs. (34.02kg) min.
Vapor Leakage	1 x 10 ⁻⁵ cc/sec/ft of Helium max. incl. connectors
Vibration	In accordance with 'MIL-T-81490'
Impact Shock	In accordance with 'MIL-T-81490'
Standard Assembly Lengths	0.5 to 5.0M +/-1% (in 0.5m increments)

Test Cable Assemblies

Part Numbers	Connectors	Length (Metres)
ACW-CA18-SMSM-0.5M	SMA Male/SMA Male	0.5m
ACW-CA18-SMSM-1.0M	SMA Male/SMA Male	1.0m
ACW-CA18-SMSM-1.5M	SMA Male/SMA Male	1.5m
ACW-CA18-SMSM-2.0M	SMA Male/SMA Male	2.0m
ACW-CA18-SMSM-2.5M	SMA Male/SMA Male	2.5m
ACW-CA18-SMSM-3.0M	SMA Male/SMA Male	3.0m
ACW-CA18-SMSM-3.5M	SMA Male/SMA Male	3.5m
ACW-CA18-SMSM-4.0M	SMA Male/SMA Male	4.0m
ACW-CA18-SMSM-4.5M	SMA Male/SMA Male	4.5m
ACW-CA18-SMSM-5.0M	SMA Male/SMA Male	5.0m
ACW-CA18-SMNM-0.5M	SMA Male/N Male	0.5m
ACW-CA18-SMNM-1.0M	SMA Male/N Male	1.0m
ACW-CA18-SMNM-1.5M	SMA Male/N Male	1.5m
ACW-CA18-SMNM-2.0M	SMA Male/N Male	2.0m
ACW-CA18-SMNM-2.5M	SMA Male/N Male	2.5m
ACW-CA18-SMNM-3.0M	SMA Male/N Male	3.0m
ACW-CA18-SMNM-3.5M	SMA Male/N Male	3.5m
ACW-CA18-SMNM-4.0M	SMA Male/N Male	4.0m
ACW-CA18-SMNM-4.5M	SMA Male/N Male	4.5m
ACW-CA18-SMNM-5.0M	SMA Male/N Male	5.0m
ACW-CA18-NMNM-0.5M	N Male/N Male	0.5m
ACW-CA18-NMNM-1.0M	N Male/N Male	1.0m
ACW-CA18-NMNM-1.5M	N Male/N Male	1.5m
ACW-CA18-NMNM-2.0M	N Male/N Male	2.0m
ACW-CA18-NMNM-2.5M	N Male/N Male	2.5m
ACW-CA18-NMNM-3.0M	N Male/N Male	3.0m
ACW-CA18-NMNM-3.5M	N Male/N Male	3.5m
ACW-CA18-NMNM-4.0M	N Male/N Male	4.0m
ACW-CA18-NMNM-4.5M	N Male/N Male	4.5m
ACW-CA18-NMNM-5.0M	N Male/N Male	5.0m

Custom lengths, connector configurations and detailed cable specifications available on request



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

Test Cable Assemblies

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