

Coaxial Cable Assemblies

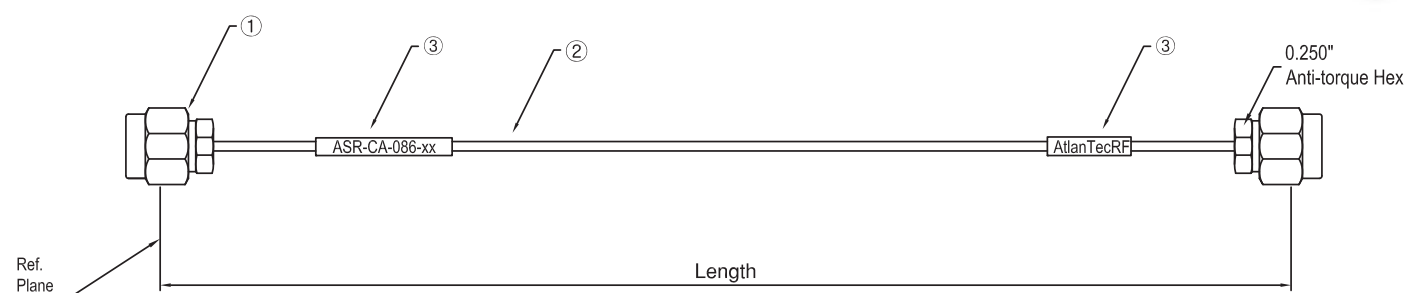
Standard Lengths - ASR Series

0.086 Reformable Aluminium SMA Male Connectors

- DC-26.5GHz
- **STOCK** Availability
- Wide Choice of Lengths
- Reformable
- Anti-Torque Connectors
- Weight Saving
- Very Cost Effective



No.	Description
1	SMA Male Straight
2	Tin-plated Aluminium .086 cable
3	Marker (sliding) Shrink Tube (white)



AtlantecRF's ASR series of coaxial cable assemblies provides the microwave system designer with a versatile solution to equipment and sub-assembly cabling without the need for detailed design of semi-rigids. With a solid tin-plated aluminium outer conductor the cable can be hand formed in situ while maintaining performance essentially equivalent to formed copper semi-rigid of equivalent size and the high resistance to work-hardening allows for subsequent bend adjustments. The large range of **STOCK** lengths in standard assemblies will meet the requirements of most applications.

General Specifications	
Standard Lengths	2.0 to 60.0 inches
Length Increments	1.0 inches
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
Outer Conductor	Tin-plated Aluminium
Dielectric Material	PTFE
Centre Conductor Material	Silver Plated Copper-clad Steel
Insulation Resistance	1000 MegOhms min.
Withstand Voltage	1000 VRMS min.
Maximum CW Power	18 watts at 18 GHz
Maximum Peak Power	1250 watts
Velocity of Propagation	70% Nominal
Electrical Delay	120 picosec/inch
Shielding	100 dB min.
Minimum Bend Radius [at centre line]	0.13 ins. (3.3mm)
Operating Temp. Range	-65 to +105C
RoHS Compliant	

Cable Assemblies

Part Numbering:

.086 Aluminium Reformable Assemblies with SMA Male Connectors
 ASR-CA-086-XX where XX is the length in inches

Typical "Examples" of Performance (interpolate for in-between lengths)
 Standard Assemblies with SMA Male Connectors

Example Part Number	Length (ins.)	Attenuation (dB)				VSWR(:1)			
		2.0 (GHz)	6.0 (GHz)	12.0 (GHz)	18.0 (GHz)	2.0 (GHz)	6.0 (GHz)	12.0 (GHz)	18.0 (GHz)
ASR-CA-086-02	2	0.12	0.20	0.29	0.38	1.10	1.17	1.20	1.30
ASR-CA-086-03	3	0.15	0.25	0.36	0.46	1.10	1.17	1.20	1.30
ASR-CA-086-04	4	0.17	0.30	0.42	0.55	1.10	1.17	1.20	1.30
ASR-CA-086-05	5	0.20	0.34	0.49	0.64	1.10	1.17	1.20	1.30
ASR-CA-086-06	6	0.22	0.39	0.56	0.72	1.10	1.17	1.20	1.30
ASR-CA-086-07	7	0.25	0.43	0.63	0.81	1.10	1.17	1.20	1.30
ASR-CA-086-08	8	0.27	0.48	0.69	0.89	1.10	1.17	1.20	1.30
ASR-CA-086-09	9	0.30	0.52	0.76	0.98	1.10	1.17	1.20	1.30
ASR-CA-086-10	10	0.32	0.57	0.83	1.06	1.10	1.17	1.20	1.30
ASR-CA-086-11	11	0.35	0.62	0.90	1.15	1.10	1.17	1.20	1.30
ASR-CA-086-12	12	0.37	0.66	0.96	1.24	1.10	1.17	1.20	1.30
ASR-CA-086-13	13	0.40	0.71	1.03	1.32	1.10	1.17	1.20	1.30
ASR-CA-086-14	14	0.42	0.75	1.10	1.41	1.10	1.17	1.20	1.30
ASR-CA-086-15	15	0.45	0.80	1.17	1.49	1.10	1.17	1.20	1.30
ASR-CA-086-16	16	0.47	0.84	1.23	1.58	1.10	1.17	1.20	1.30
ASR-CA-086-17	17	0.50	0.89	1.30	1.66	1.10	1.17	1.20	1.30
ASR-CA-086-18	18	0.52	0.94	1.37	1.75	1.10	1.17	1.20	1.30
ASR-CA-086-19	19	0.55	0.98	1.44	1.83	1.10	1.17	1.20	1.30
ASR-CA-086-20	20	0.57	1.03	1.50	1.92	1.10	1.17	1.20	1.30
ASR-CA-086-21	21	0.60	1.07	1.57	2.01	1.10	1.17	1.20	1.30
ASR-CA-086-22	22	0.62	1.12	1.64	2.09	1.10	1.17	1.20	1.30
ASR-CA-086-23	23	0.65	1.16	1.71	2.18	1.10	1.17	1.20	1.30
ASR-CA-086-24	24	0.67	1.21	1.77	2.26	1.10	1.17	1.20	1.30
ASR-CA-086-25	25	0.70	1.25	1.84	2.35	1.10	1.17	1.20	1.30
ASR-CA-086-26	26	0.73	1.30	1.91	2.43	1.10	1.17	1.20	1.30
ASR-CA-086-27	27	0.75	1.35	1.98	2.52	1.10	1.17	1.20	1.30
ASR-CA-086-28	28	0.78	1.39	2.04	2.61	1.10	1.17	1.20	1.30
ASR-CA-086-29	29	0.80	1.44	2.11	2.69	1.10	1.17	1.20	1.30
ASR-CA-086-30	30	0.83	1.48	2.18	2.78	1.10	1.17	1.20	1.30
ASR-CA-086-31	31	0.85	1.53	2.25	2.86	1.10	1.17	1.20	1.30
ASR-CA-086-32	32	0.88	1.57	2.32	2.95	1.10	1.17	1.20	1.30
ASR-CA-086-33	33	0.90	1.62	2.38	3.03	1.10	1.17	1.20	1.30
ASR-CA-086-34	34	0.93	1.67	2.45	3.12	1.10	1.17	1.20	1.30
ASR-CA-086-35	35	0.95	1.71	2.52	3.21	1.10	1.17	1.20	1.30
ASR-CA-086-36	36	0.98	1.76	2.59	3.29	1.15	1.25	1.30	1.35
ASR-CA-086-37	37	1.00	1.80	2.65	3.38	1.15	1.25	1.30	1.35
ASR-CA-086-38	38	1.03	1.85	2.72	3.46	1.15	1.25	1.30	1.35
ASR-CA-086-39	39	1.05	1.89	2.79	3.55	1.15	1.25	1.30	1.35
ASR-CA-086-40	40	1.08	1.94	2.86	3.63	1.15	1.25	1.30	1.35
ASR-CA-086-41	41	1.10	1.98	2.92	3.72	1.15	1.25	1.30	1.35
ASR-CA-086-42	42	1.13	2.03	2.99	3.80	1.15	1.25	1.30	1.35
ASR-CA-086-43	43	1.15	2.08	3.06	3.89	1.15	1.25	1.30	1.35
ASR-CA-086-44	44	1.18	2.12	3.13	3.98	1.15	1.25	1.30	1.35
ASR-CA-086-45	45	1.20	2.17	3.19	4.06	1.15	1.25	1.30	1.35
ASR-CA-086-46	46	1.23	2.21	3.26	4.15	1.15	1.25	1.30	1.35
ASR-CA-086-47	47	1.25	2.26	3.33	4.23	1.15	1.25	1.30	1.35
ASR-CA-086-48	48	1.28	2.30	3.40	4.32	1.15	1.25	1.30	1.35

Options

The following are also available but not necessarily from stock:

- Alternative Connectors – SMA Female, Type N, SMP, 2.92mm - Bulkhead, Panel Mount, Right Angle
- Custom Assembly Lengths
- Ident Sleeves, Outer FEP Jacket

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

Cable Assemblies

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