

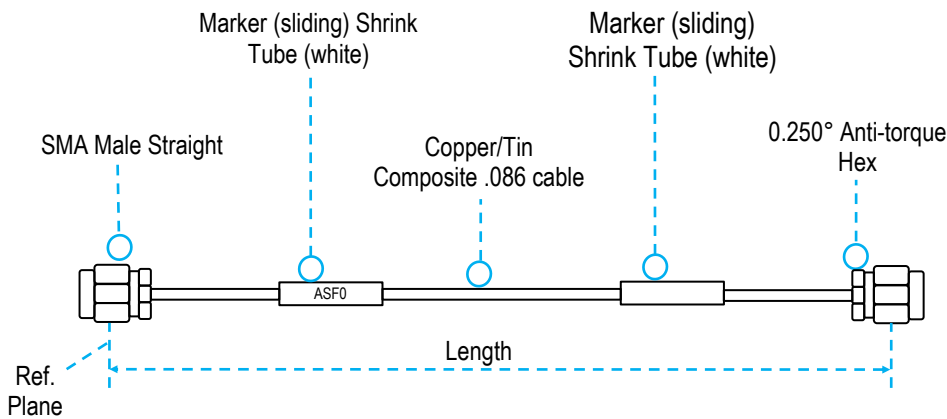


- Frequency DC-26.5GHz
- STOCK Availability
- Wide Choice of Lengths
- Reformable
- Anti-Torque Connectors

# Coaxial Cable Assembly

## Semi-Flexible, 0.086 Reformable Copper/ Tin Composite, SMA Male Connectors

ETL Systems ASF series of coaxial cable assemblies provides the microwave system designer with a versatile solution to equipment and subassembly cabling without the need for detailed design of semi-rigids. With a copper/tin composite outer conductor the cable can be hand formed in situ while maintaining performance essentially similar 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.



**Part Numbering:**  
.086 Copper/Tin Composite  
Reformable Assemblies with SMA  
Male Connectors

ASF0-xxx-520002 where xxx is the  
length in inches.



**Options:**

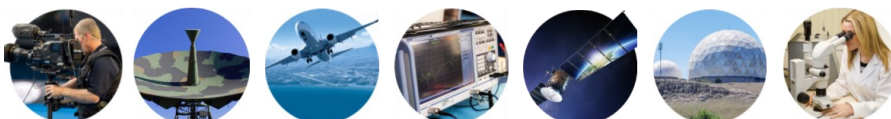
The following are also available (please contact us):

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





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	Copper/Tin Composite
Dielectric Material	PTFE
Centre Conductor Material	Silver Plated Copper-clad Steel
Insulation Resistance	1000 MegOhms min.
Withstand Voltage	1000 VRMS min.
Maximum CW Power	15 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 Temperature Range	-50 +105C
RoHS Compliant	Yes





EXAMPLE PART NUMBER	LENGTH	ATTENUATION (dB)				VSWR (:1)			
	(INCHES)	2GHz	6GHz	12GHz	18GHz	2GHz	6GHz	12GHz	18GHz
ASF0-003-520002-S4S4	3	0.16	0.27	0.38	0.50	1.10	1.17	1.20	1.30
ASF0-004-520002-S4S4	4	0.18	0.32	0.46	0.60	1.10	1.17	1.20	1.30
ASF0-005-520002-S4S4	5	0.21	0.37	0.53	0.69	1.10	1.17	1.20	1.30
ASF0-006-520002-S4S4	6	0.24	0.42	0.61	0.79	1.10	1.17	1.20	1.30
ASF0-007-520002-S4S4	7	0.27	0.47	0.69	0.89	1.10	1.17	1.20	1.30
ASF0-008-520002-S4S4	8	0.29	0.52	0.76	0.99	1.10	1.17	1.20	1.30
ASF0-009-520002-S4S4	9	0.32	0.57	0.84	1.08	1.10	1.17	1.20	1.30
ASF0-010-520002-S4S4	10	0.35	0.62	0.92	1.18	1.10	1.17	1.20	1.30
ASF0-011-520002-S4S4	11	0.38	0.67	0.99	1.28	1.10	1.17	1.20	1.30
ASF0-012-520002-S4S4	12	0.40	0.72	1.07	1.38	1.10	1.17	1.20	1.30
ASF0-013-520002-S4S4	13	0.43	0.77	1.14	1.47	1.10	1.17	1.20	1.30
ASF0-014-520002-S4S4	14	0.46	0.83	1.22	1.57	1.10	1.17	1.20	1.30
ASF0-015-520002-S4S4	15	0.49	0.88	1.30	1.67	1.10	1.17	1.20	1.30
ASF0-016-520002-S4S4	16	0.51	0.93	1.37	1.77	1.10	1.17	1.20	1.30
ASF0-017-520002-S4S4	17	0.54	0.98	1.45	1.86	1.10	1.17	1.20	1.30
ASF0-018-520002-S4S4	18	0.57	1.03	1.52	1.96	1.10	1.17	1.20	1.30
ASF0-019-520002-S4S4	19	0.60	1.08	1.60	2.06	1.10	1.17	1.20	1.30
ASF0-020-520002-S4S4	20	0.62	1.13	1.68	2.15	1.10	1.17	1.20	1.30
ASF0-021-520002-S4S4	21	0.65	1.18	1.75	2.25	1.10	1.17	1.20	1.30
ASF0-022-520002-S4S4	22	0.68	1.23	1.83	2.35	1.10	1.17	1.20	1.30
ASF0-023-520002-S4S4	23	0.71	1.28	1.91	2.45	1.10	1.17	1.20	1.30
ASF0-024-520002-S4S4	24	0.74	1.33	1.98	2.54	1.10	1.17	1.20	1.30
ASF0-025-520002-S4S4	25	0.76	1.39	2.06	2.64	1.15	1.25	1.30	1.35
ASF0-026-520002-S4S4	26	0.79	1.44	2.13	2.74	1.15	1.25	1.30	1.35
ASF0-027-520002-S4S4	27	0.82	1.49	2.21	2.84	1.15	1.25	1.30	1.35
ASF0-028-520002-S4S4	28	0.85	1.54	2.29	2.93	1.15	1.25	1.30	1.35
ASF0-029-520002-S4S4	29	0.87	1.59	2.36	3.03	1.15	1.25	1.30	1.35
ASF0-030-520002-S4S4	30	0.90	1.64	2.44	3.13	1.15	1.25	1.30	1.35
ASF0-031-520002-S4S4	31	0.93	1.69	2.51	3.23	1.15	1.25	1.30	1.35
ASF0-032-520002-S4S4	32	0.96	1.74	2.59	3.32	1.15	1.25	1.30	1.35
ASF0-033-520002-S4S4	33	0.98	1.79	2.67	3.42	1.15	1.25	1.30	1.35
ASF0-034-520002-S4S4	34	1.01	1.84	2.74	3.52	1.15	1.25	1.30	1.35
ASF0-035-520002-S4S4	35	1.04	1.89	2.82	3.62	1.15	1.25	1.30	1.35
ASF0-036-520002-S4S4	36	1.07	1.95	2.90	3.71	1.15	1.25	1.30	1.35
ASF0-037-520002-S4S4	37	1.09	2.00	2.97	3.81	1.18	1.28	1.35	1.40
ASF0-038-520002-S4S4	38	1.12	2.05	3.05	3.91	1.18	1.28	1.35	1.40
ASF0-039-520002-S4S4	39	1.15	2.10	3.12	4.00	1.18	1.28	1.35	1.40
ASF0-040-520002-S4S4	40	1.18	2.15	3.20	4.10	1.18	1.28	1.35	1.40
ASF0-041-520002-S4S4	41	1.21	2.20	3.28	4.20	1.18	1.28	1.35	1.40
ASF0-042-520002-S4S4	42	1.23	2.25	3.35	4.30	1.18	1.28	1.35	1.40
ASF0-043-520002-S4S4	43	1.26	2.30	3.43	4.39	1.18	1.28	1.35	1.40
ASF0-044-520002-S4S4	44	1.29	2.35	3.50	4.49	1.18	1.28	1.35	1.40
ASF0-045-520002-S4S4	45	1.32	2.40	3.58	4.59	1.18	1.28	1.35	1.40
ASF0-046-520002-S4S4	46	1.34	2.45	3.66	4.69	1.18	1.28	1.35	1.40
ASF0-047-520002-S4S4	47	1.37	2.50	3.73	4.78	1.18	1.28	1.35	1.40
ASF0-048-520002-S4S4	48	1.40	2.56	3.81	4.88	1.18	1.28	1.35	1.40
ASF0-054-520002-S4S4	54	1.56	2.86	4.27	5.47	1.18	1.28	1.35	1.40
ASF0-060-520002-S4S4	60	1.73	3.17	4.72	6.05	1.18	1.28	1.35	1.40

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.

