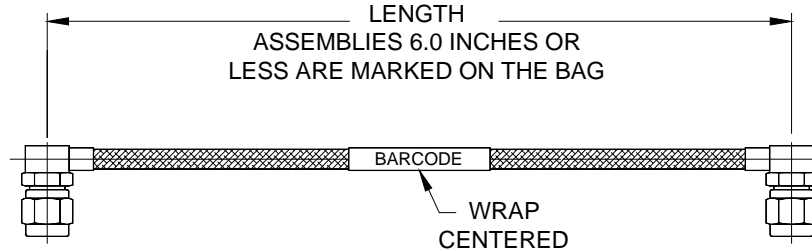


# cable assemblies

sma, plug, right angle, .141 conformable cable, sma plug, right angle



MECHANICAL SPECIFICATIONS	
CABLE MAX. DIAMETER:	0.141 INCHES
MINIMUM BEND RADIUS:	0.25 INCHES
CONNECTOR RETENTION:	60 POUNDS MIN.
TEMPERATURE RANGE:	-55 to +125 DEGREES C
MATING TORQUE:	7 TO 10 INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348 Fig. 310.3

MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	TIN FILLED COMPOSIT BRAID	NONE
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM-B-196, BERYLLIUM COPPER	ASTM-B-488, GOLD
INSULATORS:	ASTM-D-4894, PTFE	NONE
BODIES:	ASTM-A-582, 303 STAINLESS STEEL	ASTM-B-488, GOLD
COUPLING NUTS:	ASTM-A-582, 303 STAINLESS STEEL	AMS QQ-P-35, PASSIVATE
GASKETS:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ELECTRICAL SPECIFICATIONS	
IMPEDANCE, NOMINAL:	50 OHMS
CAPACITANCE NOMINAL:	28.8 pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.5 %
RELATIVE SHIELDING:	-100.0 dB MIN.
INSULATION RESISTANCE:	5000 MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1500 VRMS MIN.
ELECTRICAL DELAY, NOMINAL:	1.44 ns/FOOT
ELECTRICAL DELAY, NOMINAL:	120 ps/INCH
PULSE RF POWER:	1250 WATTS MAX.

VSWR / INSERTION LOSS SPECIFICATIONS																
PART NUMBER	LENGTH INCHES	+ / - INCHES	WEIGHT OUNCES	MAXIMUM VSWR						MAXIMUM LOSS						
				UP to 1	1 to 2	2 to 4	4 to 6	6 to 12	12 to 18	UP to 1	1 to 2	2 to 4	4 to 6	6 to 12	12 to 18	
9898-9141-66002	2.0	0.03	0.4	1.10	1.14	1.18	1.22	1.25	1.35	0.09	0.12	0.18	0.22	0.34	0.40	
9898-9141-66004	4.0	0.06	0.4	1.10	1.14	1.18	1.22	1.25	1.35	0.11	0.16	0.23	0.29	0.44	0.54	
9898-9141-66006	6.0	0.06	0.5	1.10	1.14	1.18	1.22	1.25	1.35	0.13	0.19	0.28	0.35	0.55	0.67	
9898-9141-66008	8.0	0.10	0.5	1.10	1.14	1.18	1.22	1.25	1.35	0.16	0.23	0.33	0.42	0.65	0.80	
9898-9141-66010	10.0	0.10	0.6	1.10	1.14	1.18	1.22	1.25	1.35	0.18	0.26	0.39	0.49	0.75	0.93	
9898-9141-66012	12.0	0.10	0.6	1.10	1.14	1.18	1.22	1.25	1.35	0.20	0.30	0.44	0.55	0.86	1.06	
9898-9141-66015	15.0	0.15	0.7	1.10	1.14	1.18	1.22	1.25	1.35	0.24	0.35	0.52	0.65	1.01	1.26	
9898-9141-66018	18.0	0.15	0.7	1.10	1.14	1.18	1.22	1.25	1.35	0.28	0.40	0.59	0.75	1.17	1.45	
9898-9141-66021	21.0	0.20	0.8	1.10	1.14	1.18	1.22	1.25	1.35	0.31	0.46	0.67	0.85	1.32	1.65	
9898-9141-66024	24.0	0.20	0.9	1.10	1.14	1.18	1.22	1.25	1.35	0.35	0.51	0.75	0.95	1.48	1.85	
9898-9141-66028	28.0	0.28	1.0	1.10	1.14	1.18	1.22	1.25	1.35	0.39	0.58	0.85	1.08	1.68	2.11	
9898-9141-66032	32.0	0.32	1.0	1.10	1.14	1.18	1.22	1.25	1.35	0.44	0.65	0.96	1.21	1.89	2.37	
9898-9141-66036	36.0	0.36	1.1	1.10	1.14	1.18	1.22	1.25	1.35	0.49	0.72	1.06	1.34	2.10	2.64	
9898-9141-66042	42.0	0.42	1.3	1.10	1.14	1.18	1.22	1.25	1.35	0.56	0.82	1.22	1.54	2.40	3.03	
9898-9141-66048	48.0	0.48	1.4	1.10	1.14	1.18	1.22	1.25	1.35	0.63	0.93	1.37	1.74	2.71	3.42	

Specifications are subject to change without notice