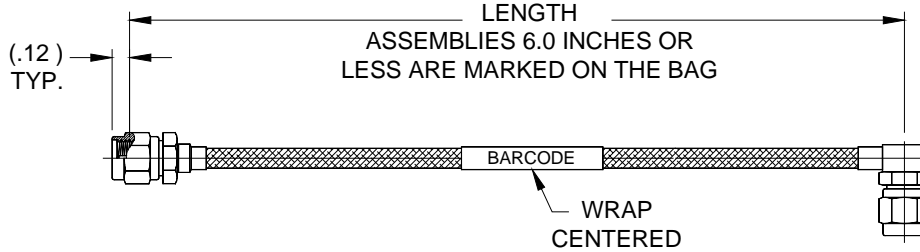


cable assemblies

sma, plug, straight, .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

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.

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	

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	
9898-9141-68002	2.0	0.03	0.4	1.10	1.14	1.18	1.22	1.25	1.35	0.08	0.12	0.16	0.21	0.31	0.37	
9898-9141-68004	4.0	0.06	0.4	1.10	1.14	1.18	1.22	1.25	1.35	0.10	0.15	0.22	0.27	0.42	0.50	
9898-9141-68006	6.0	0.06	0.5	1.10	1.14	1.18	1.22	1.25	1.35	0.13	0.19	0.27	0.34	0.52	0.63	
9898-9141-68008	8.0	0.10	0.5	1.10	1.14	1.18	1.22	1.25	1.35	0.15	0.22	0.32	0.40	0.62	0.77	
9898-9141-68010	10.0	0.10	0.6	1.10	1.14	1.18	1.22	1.25	1.35	0.17	0.26	0.37	0.47	0.73	0.90	
9898-9141-68012	12.0	0.10	0.6	1.10	1.14	1.18	1.22	1.25	1.35	0.20	0.29	0.42	0.54	0.83	1.03	
9898-9141-68015	15.0	0.15	0.7	1.10	1.14	1.18	1.22	1.25	1.35	0.23	0.34	0.50	0.63	0.99	1.23	
9898-9141-68018	18.0	0.15	0.7	1.10	1.14	1.18	1.22	1.25	1.35	0.27	0.39	0.58	0.73	1.14	1.42	
9898-9141-68021	21.0	0.20	0.8	1.10	1.14	1.18	1.22	1.25	1.35	0.31	0.45	0.66	0.83	1.30	1.62	
9898-9141-68024	24.0	0.20	0.9	1.10	1.14	1.18	1.22	1.25	1.35	0.34	0.50	0.74	0.93	1.45	1.82	
9898-9141-68028	28.0	0.28	1.0	1.10	1.14	1.18	1.22	1.25	1.35	0.39	0.57	0.84	1.06	1.66	2.08	
9898-9141-68032	32.0	0.32	1.0	1.10	1.14	1.18	1.22	1.25	1.35	0.44	0.64	0.94	1.20	1.86	2.34	
9898-9141-68036	36.0	0.36	1.1	1.10	1.14	1.18	1.22	1.25	1.35	0.48	0.71	1.05	1.33	2.07	2.60	
9898-9141-68042	42.0	0.42	1.3	1.10	1.14	1.18	1.22	1.25	1.35	0.55	0.81	1.20	1.53	2.38	3.00	
9898-9141-68048	48.0	0.48	1.4	1.10	1.14	1.18	1.22	1.25	1.35	0.63	0.92	1.36	1.72	2.69	3.39	

Specifications are subject to change without notice