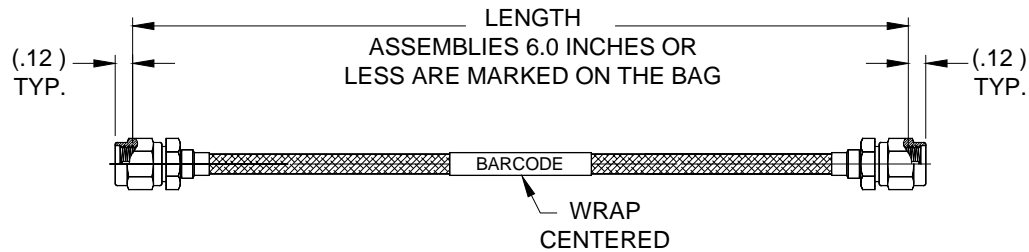


cable assemblies

sma, plug, straight, .141 conformable cable, sma, plug, straight



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	
9898-9141-88002	2.0	0.03	0.4	1.06	1.10	1.14	1.18	1.22	1.30	0.07	0.11	0.15	0.19	0.29	0.34	
9898-9141-88004	4.0	0.06	0.4	1.06	1.10	1.14	1.18	1.22	1.30	0.10	0.14	0.20	0.26	0.39	0.47	
9898-9141-88006	6.0	0.06	0.5	1.06	1.10	1.14	1.18	1.22	1.30	0.12	0.18	0.26	0.32	0.50	0.60	
9898-9141-88008	8.0	0.10	0.5	1.06	1.10	1.14	1.18	1.22	1.30	0.14	0.21	0.31	0.39	0.60	0.73	
9898-9141-88010	10.0	0.10	0.6	1.06	1.10	1.14	1.18	1.22	1.30	0.17	0.25	0.36	0.45	0.70	0.86	
9898-9141-88012	12.0	0.10	0.6	1.06	1.10	1.14	1.18	1.22	1.30	0.19	0.28	0.41	0.52	0.80	1.00	
9898-9141-88015	15.0	0.15	0.7	1.06	1.10	1.14	1.18	1.22	1.30	0.23	0.33	0.49	0.62	0.96	1.19	
9898-9141-88018	18.0	0.15	0.7	1.06	1.10	1.14	1.18	1.22	1.30	0.26	0.39	0.57	0.72	1.11	1.39	
9898-9141-88021	21.0	0.20	0.8	1.06	1.10	1.14	1.18	1.22	1.30	0.30	0.44	0.64	0.82	1.27	1.59	
9898-9141-88024	24.0	0.20	0.9	1.06	1.10	1.14	1.18	1.22	1.30	0.33	0.49	0.72	0.92	1.42	1.78	
9898-9141-88028	28.0	0.28	1.0	1.06	1.10	1.14	1.18	1.22	1.30	0.38	0.56	0.83	1.05	1.63	2.05	
9898-9141-88032	32.0	0.32	1.0	1.06	1.10	1.14	1.18	1.22	1.30	0.43	0.63	0.93	1.18	1.84	2.31	
9898-9141-88036	36.0	0.36	1.1	1.06	1.10	1.14	1.18	1.22	1.30	0.48	0.70	1.03	1.31	2.04	2.57	
9898-9141-88042	42.0	0.42	1.3	1.06	1.10	1.14	1.18	1.22	1.30	0.55	0.80	1.19	1.51	2.35	2.97	
9898-9141-88048	48.0	0.48	1.4	1.06	1.10	1.14	1.18	1.22	1.30	0.62	0.91	1.35	1.71	2.66	3.36	

Specifications are subject to change without notice