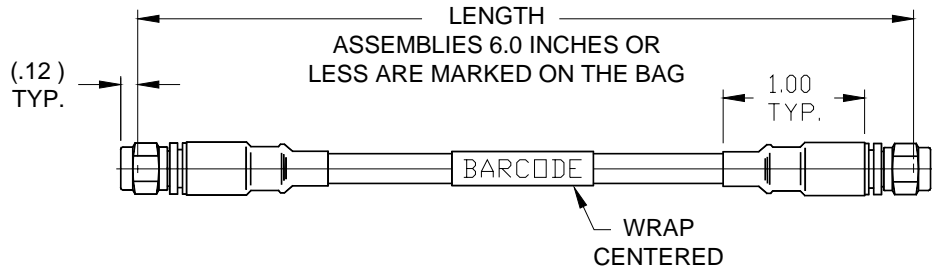


# cable assemblies

sma, plug, straight, dy5 cable, sma, plug, straight, extended frequency



MECHANICAL SPECIFICATIONS	
CABLE MAX. DIAMETER:	0.210 INCHES
MINIMUM BEND RADIUS:	1.25 INCHES
CONNECTOR RETENTION:	60 POUNDS MIN.
TEMPERATURE RANGE:	-55 to +110 DEGREES C
MATING TORQUE:	7 TO 10 INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348 Fig. 310.1

ELECTRICAL SPECIFICATIONS	
IMPEDANCE, NOMINAL:	50 OHMS
CAPACITANCE NOMINAL:	26.6 pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	76.5 %
RELATIVE SHIELDING:	-100.0 dB MIN.
INSULATION RESISTANCE:	5000 MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1500 VRMS MIN.
ELECTRICAL DELAY, NOMINAL:	1.33 ns/FOOT
ELECTRICAL DELAY, NOMINAL:	111 ps/INCH
PULSE RF POWER:	3500 WATTS MAX.

MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	EXTRUDED FEP	NONE
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
BOOTS:	MIL-DTL-23053/4 CLASS 3	BLACK
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 2	2 to 4	4 to 6	6 to 12	12 to 18	18 to 26	UP to 2	2 to 4	4 to 6	6 to 12	12 to 18	18 to 26
9595-DY5-024	24.0	0.25	1.5	1.10	1.14	1.18	1.22	1.25	1.35	0.34	0.49	0.60	0.89	1.09	1.34
9595-DY5-027	27.0	0.27	1.7	1.10	1.14	1.18	1.22	1.25	1.35	0.37	0.53	0.65	0.96	1.19	1.46
9595-DY5-030	30.0	0.30	1.8	1.10	1.14	1.18	1.22	1.25	1.35	0.40	0.57	0.71	1.04	1.28	1.58
9595-DY5-033	33.0	0.33	2.0	1.10	1.14	1.18	1.22	1.25	1.35	0.42	0.61	0.76	1.11	1.38	1.70
9595-DY5-036	36.0	0.36	2.1	1.10	1.14	1.18	1.22	1.25	1.35	0.45	0.65	0.81	1.19	1.47	1.82
9595-DY5-039	39.0	0.39	2.3	1.10	1.14	1.18	1.22	1.25	1.35	0.48	0.69	0.86	1.26	1.57	1.94
9595-DY5-042	42.0	0.42	2.4	1.10	1.14	1.18	1.22	1.25	1.35	0.51	0.73	0.91	1.34	1.66	2.06
9595-DY5-045	45.0	0.45	2.6	1.10	1.14	1.18	1.22	1.25	1.35	0.54	0.77	0.96	1.41	1.76	2.17
9595-DY5-048	48.0	0.48	2.7	1.10	1.14	1.18	1.22	1.25	1.35	0.56	0.81	1.01	1.49	1.85	2.29
9595-DY5-054	54.0	0.54	3.0	1.10	1.14	1.18	1.22	1.25	1.35	0.62	0.89	1.11	1.64	2.04	2.53
9595-DY5-060	60.0	0.60	3.3	1.10	1.14	1.18	1.22	1.25	1.35	0.68	0.98	1.21	1.79	2.23	2.77
9595-DY5-072	72.0	0.72	3.9	1.10	1.14	1.18	1.22	1.25	1.35	0.79	1.14	1.42	2.09	2.61	3.25
9595-DY5-096	96.0	0.96	5.1	1.10	1.14	1.18	1.22	1.25	1.35	1.01	1.46	1.82	2.69	3.37	4.20
9595-DY5-108	108.0	1.08	5.7	1.10	1.14	1.18	1.22	1.25	1.35	1.13	1.63	2.03	2.99	3.75	4.68
9595-DY5-120	120.0	1.20	6.3	1.10	1.14	1.18	1.22	1.25	1.35	1.24	1.79	2.23	3.29	4.13	5.15

Specifications are subject to change without notice