

PART NUMBER	LENGTH INCHES	+/- LENGTH	LENGTH CM	MAX VSWR :1 @ 18GHz	MAX INSERTION LOSS [dB] @ 18GHz
1-3636-600-5206	06	0.25	15.2	1.30	0.79
1-3636-600-5209	09	0.25	22.9	1.30	1.08
1-3636-600-5212	12	0.25	30.5	1.30	1.37
1-3636-600-5215	15	0.15	38.1	1.30	1.67
1-3636-600-5218	18	0.18	45.7	1.30	1.96
1-3636-600-5221	21	0.21	53.3	1.30	2.25
1-3636-600-5224	24	0.24	61.0	1.30	2.54
1-3636-600-5227	27	0.27	68.6	1.35	2.83
1-3636-600-5230	30	0.30	76.2	1.35	3.12
1-3636-600-5233	33	0.33	83.8	1.35	3.42
1-3636-600-5236	36	0.36	91.4	1.35	3.71
1-3636-600-5239	39	0.39	99.1	1.40	4.00
1-3636-600-5242	42	0.42	106.7	1.40	4.29
1-3636-600-5245	45	0.45	114.3	1.40	4.58
1-3636-600-5248	48	0.48	121.9	1.40	4.87
1-3636-600-5251	51	0.51	129.5	1.40	5.17
1-3636-600-5254	54	0.54	137.2	1.40	5.46
1-3636-600-5257	57	0.57	144.8	1.40	5.75
1-3636-600-5260	60	0.60	152.4	1.40	6.04
1-3636-600-5263	63	0.63	160.0	1.40	6.33
1-3636-600-5266	66	0.66	167.6	1.40	6.62
1-3636-600-5269	69	0.69	175.3	1.40	6.91
1-3636-600-5272	72	0.72	182.9	1.40	7.21
1-3636-600-5275	75	0.75	190.5	1.40	7.50
1-3636-600-5278	78	0.78	198.1	1.40	7.79
1-3636-600-5281	81	0.81	205.7	1.40	8.08
1-3636-600-5284	84	0.84	213.4	1.40	8.37
1-3636-600-5287	87	0.87	221.0	1.40	8.66
1-3636-600-5290	90	0.90	228.6	1.40	8.96
1-3636-600-5293	93	0.93	236.2	1.40	9.25
1-3636-600-5296	96	0.96	243.8	1.40	9.54
1-3636-600-5299	99	0.99	251.5	1.40	9.83
2-3636-600-5209	108	1.08	274.3	1.40	10.71
2-3636-600-5210	120	1.20	304.8	1.40	11.87
2-3636-600-5215	180	1.80	457.2	1.40	17.71

ASSEMBLY LENGTHS NOT LISTED ABOVE WILL HAVE THE SAME INSERTION LOSS AND VSWR LIMITS AS THE NEXT LONGER ASSEMBLY SHOWN IN THE TABLE ABOVE.

EXAMPLE: 1-3636-600-5222 WILL HAVE THE SAME INSERTION LOSS AND VSWR LIMITS AS 1-3636-600-5224.

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

NOTE: FOR CABLES OVER 120 INCHES LONG AND/OR INSERTION LOSSES IN EXCESS OF 20DB THE VSWR AND INSERTION LOSS VALUES ARE TYPICAL ONLY.

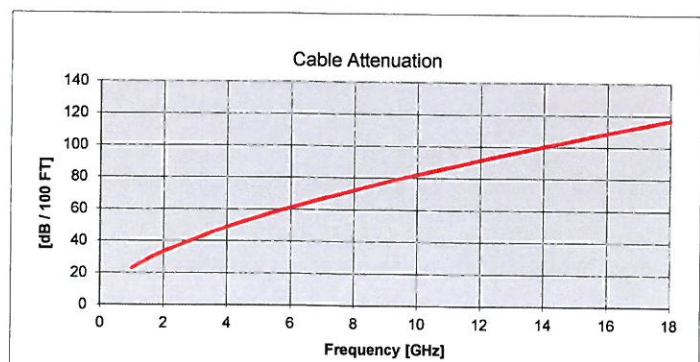
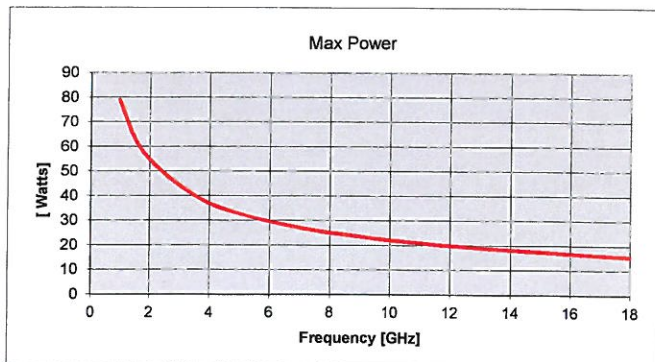
VISIT OUR WEB SITE AT <http://www.carlisleit.com>

ASSEMBLIES ELECTRICAL & MECHANICAL SPECIFICATIONS

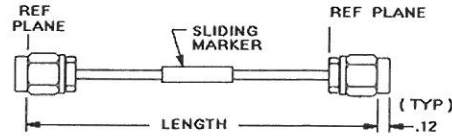
IMPEDANCE, NOMINAL:	50 OHMS
CABLE VELOCITY OF PROPAGATION, NOMINAL	70.7 %
CABLE MAX. DIAMETER:	0.089 INCHES
MINIMUM BEND RADIUS:	0.13 INCHES
TEMPERATURE RANGE:	-50 to +105 DEGREES C
MATING TORQUE:	7-10 INCH POUNDS

NOTES:

NO MARKER IS REQUIRED FOR CABLE LESS THAN 4.0\"/>



ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:	50 OHMS					
CAPACITANCE NOMINAL:	28.7 pF/FOOT					
VELOCITY OF PROPAGATION, NOMINAL:	70.7 %					
RELATIVE SHIELDING:	-100 db MIN.					
INSULATION RESISTANCE:	1000 MEGOHMS MIN.					
DIELECTRIC WITHSTANDING VOLTAGE:	1000 VRMS MIN.					
ELECTRICAL DELAY NOMINAL:	1.44 ns/FOOT					
ELECTRICAL DELAY NOMINAL:	120 pS/INCH					
MAX. PULSE RF POWER:	1250 WATTS					
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) →	1	2	4	6	12	18
MAX. CW WATTS →	200	136	91	71	46	36
PHASE STABILITY DEC	0.2	0.3	0.7	1	2	3
LOSS STABILITY db	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED 90 DEGREES ON A 40 INCH RADIUS						



NOTE: NO MARKER IS REQUIRED FOR 5.0" OR LESS

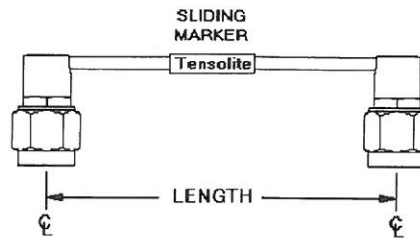
MECHANICAL SPECIFICATIONS:	
CABLE MAX. DIAMETER:	0.141 INCHES
MIN. BEND RADIUS:	0.19 INCHES
PREFERRED BEND RADIUS:	0.50 INCHES
CONNECTOR RETENTION:	50 POUNDS MIN.
TEMPERATURE RANGE:	-50 / +105 DEGREES C
MATING TORQUE:	7-10 INCH POUNDS
CONNECTOR INTERFACE:	MIL-STD-155

MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-23053/5	GRAY
R&HS MARKER:	MIL-23053/5	GREEN
SMA BODY:	ASTM-A-562, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT:	ASTM-A-562, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	22-R-765, SILICON RUBBER	NONE
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS	S11 AND S22 CHARACTERISTICS										S12 AND S21 CHARACTERISTICS										LENGTH CM	
PART NUMBER	LENGTH INCHES	WEIGHT OUNCES	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	18 TO 24	24 TO 30	30 TO 36	36 TO 42	42 TO 48	48 TO 54	54 TO 60	60 TO 66	66 TO 72	72 TO 78	78 TO 84	84 TO 90	90 TO 96	NOM DELAY NS	LENGTH CM
1-3636-601-5202	D 2.00	0.05	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.08	0.10	0.15	0.17	0.25	0.33	0.41	0.49	0.57	0.65	0.73	0.81	5.08	5.08
1-3636-601-5203	D 3.00	0.05	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.09	0.12	0.17	0.20	0.29	0.39	0.48	0.58	0.68	0.78	0.88	0.98	0.36	7.62
1-3636-601-5204	D 4.00	0.05	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.10	0.14	0.20	0.23	0.34	0.45	0.56	0.67	0.78	0.89	1.00	1.11	0.40	10.2
1-3636-601-5205	D 5.00	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.11	0.15	0.22	0.27	0.39	0.51	0.63	0.75	0.87	0.99	1.11	1.23	0.40	12.7
1-3636-601-5206	D 6.00	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.13	0.17	0.24	0.30	0.43	0.57	0.72	0.86	1.00	1.14	1.28	1.42	0.40	15.2
1-3636-601-5207	D 7.00	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.14	0.18	0.27	0.33	0.48	0.63	0.84	1.01	1.18	1.35	1.52	1.69	0.40	17.8
1-3636-601-5208	D 8.00	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.15	0.20	0.29	0.36	0.53	0.69	0.96	1.13	1.30	1.47	1.64	1.81	0.40	20.3
1-3636-601-5209	D 9.00	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.16	0.22	0.31	0.39	0.57	0.75	1.08	1.26	1.44	1.62	1.80	1.98	0.40	22.9
1-3636-601-5210	D 10.00	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.17	0.23	0.34	0.42	0.62	0.82	1.20	1.40	1.60	1.80	2.00	2.20	0.40	25.4
1-3636-601-5211	D 11.00	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.18	0.25	0.36	0.45	0.67	0.88	1.32	1.54	1.76	1.98	2.20	2.42	0.40	27.9
1-3636-601-5212	D 12.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.19	0.26	0.39	0.48	0.71	0.94	1.44	1.68	1.92	2.16	2.40	2.64	0.40	30.5
1-3636-601-5213	D 13.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.20	0.28	0.41	0.51	0.76	1.00	1.56	1.80	2.04	2.28	2.52	2.76	0.40	33.0
1-3636-601-5214	D 14.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.21	0.30	0.43	0.54	0.81	1.06	1.68	2.00	2.32	2.64	2.96	3.28	0.40	35.6
1-3636-601-5215	D 15.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.22	0.31	0.46	0.57	0.86	1.12	1.80	2.16	2.52	2.88	3.24	3.60	0.40	38.1
1-3636-601-5216	D 16.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.23	0.33	0.48	0.60	0.90	1.18	1.92	2.32	2.72	3.12	3.52	3.92	0.40	40.6
1-3636-601-5217	D 17.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.24	0.34	0.51	0.63	0.95	1.24	2.04	2.44	2.84	3.24	3.64	4.04	0.40	43.2
1-3636-601-5218	D 18.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.26	0.36	0.53	0.66	1.00	1.30	2.16	2.56	2.96	3.36	3.76	4.16	0.40	45.7
1-3636-601-5219	D 19.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.27	0.38	0.56	0.69	1.04	1.36	2.28	2.68	3.08	3.48	3.88	4.28	0.40	48.3
1-3636-601-5220	D 20.00	0.20	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.28	0.39	0.58	0.72	1.09	1.42	2.40	2.80	3.20	3.60	4.00	4.40	0.40	50.8
1-3636-601-5221	D 21.00	0.21	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.29	0.41	0.60	0.75	1.14	1.48	2.52	2.92	3.32	3.72	4.12	4.52	0.40	53.3
1-3636-601-5222	D 22.00	0.22	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.30	0.42	0.62	0.78	1.18	1.54	2.64	3.04	3.44	3.84	4.24	4.64	0.40	55.8
1-3636-601-5223	D 23.00	0.23	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.31	0.44	0.65	0.81	1.23	1.61	2.76	3.16	3.56	3.96	4.36	4.76	0.40	58.3
1-3636-601-5224	D 24.00	0.24	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.32	0.46	0.67	0.84	1.28	1.67	2.88	3.28	3.68	4.08	4.48	4.88	0.40	60.8
1-3636-601-5225	D 25.00	0.25	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.33	0.47	0.70	0.87	1.32	1.73	3.00	3.40	3.80	4.20	4.60	5.00	0.40	63.3
1-3636-601-5226	D 26.00	0.26	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.34	0.49	0.72	0.90	1.37	1.79	3.12	3.52	3.92	4.32	4.72	5.12	0.40	65.8
1-3636-601-5227	D 27.00	0.27	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.35	0.50	0.74	0.93	1.42	1.85	3.24	3.64	4.04	4.44	4.84	5.24	0.40	68.3
1-3636-601-5228	D 28.00	0.28	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.36	0.52	0.77	0.96	1.46	1.91	3.36	3.76	4.16	4.56	4.96	5.36	0.40	70.8
1-3636-601-5229	D 29.00	0.29	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.37	0.54	0.79	0.99	1.51	1.97	3.48	3.88	4.28	4.68	5.08	5.48	0.40	73.3
1-3636-601-5230	D 30.00	0.30	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.39	0.55	0.82	1.02	1.56	2.03	3.60	4.00	4.40	4.80	5.20	5.60	0.40	75.8
1-3636-601-5231	D 31.00	0.31	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.40	0.57	0.84	1.06	1.60	2.09	3.71	4.11	4.51	4.91	5.31	5.71	0.40	78.3
1-3636-601-5232	D 32.00	0.32	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.41	0.58	0.86	1.09	1.65	2.15	3.83	4.23	4.63	5.03	5.43	5.83	0.40	80.8
1-3636-601-5233	D 33.00	0.33	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.42	0.60	0.89	1.12	1.70	2.21	3.95	4.35	4.75	5.15	5.55	5.95	0.40	83.3
1-3636-601-5234	D 34.00	0.34	1.3	1.06	1.10	1.14	1.17	1.20	1.30	0.43	0.62	0.91	1.15	1.74	2.27	4.07	4.47	4.87	5.27	5.67	6.07	0.40	85.8
1-3636-601-5235	D 35.00	0.35	1.3	1.06	1.10	1.14	1.17	1.20	1.30	0.44	0.63	0.93	1.18	1.79	2.34	4.19	4.59	4.99	5.39	5.79	6.19	0.40	88.3
1-3636-601-5236	D 36.00	0.36	1.3	1.06	1.10	1.14	1.17	1.20	1.30	0.45	0.65	0.96	1.21	1.84	2.40	4.31	4.71	5.11	5.51	5.91	6.31	0.40	90.8
1-3636-601-5237	D 37.00	0.37	1.4	1.06	1.10	1.14	1.17	1.20	1.30	0.46	0.66	0.98	1.24	1.88	2.46	4.43	4.83	5.23	5.63	6.03	6.43	0.40	93.3
1-3636-601-5238	D 38.00	0.38	1.4	1.06	1.10	1.14	1.17	1.20	1.30	0.47	0.68	1.01	1.27	1.93	2.52	4.55	4.95	5.35	5.75	6.15	6.55	0.40	95.8
1-3636-601-5239	D 39.00	0.39	1.4	1.06	1.10	1.14	1.17	1.20	1.30	0.48	0.70	1.03	1.30	1.98	2.58	4.67	5.07	5.47	5.87	6.27	6.67	0.40	98.3
1-3636-601-5240	D 40.00	0.40	1.5	1.06	1.10	1.14	1.17	1.20	1.30	0.49	0.71	1.05	1.33	2.02	2.64	4.79	5.19	5.59	5.99	6.39	6.79	0.40	100.8
1-3636-601-5241	D 41.00	0.41	1.5	1.06	1.10	1.14	1.17	1.20	1.30	0.50	0.73	1.08	1.36	2.07	2.70	4.91	5.31	5.71	6.11				

ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:	50 OHMS					
CAPACITANCE NOMINAL:	28.7 pF/FOOT					
VELOCITY OF PROPAGATION, NOMINAL:	70.7 %					
RELATIVE SHIELDING:	-100 db MIN.					
INSULATION RESISTANCE:	1000 MEGOHMS MIN.					
DIELECTRIC WITHSTANDING VOLTAGE:	1000 VRMS MIN.					
ELECTRICAL DELAY NOMINAL:	1.44 ns/FOOT					
ELECTRICAL DELAY NOMINAL:	120 ps/INCH					
MAX. PULSE RF POWER:	1250 WATTS					
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ----->	1	2	4	6	12	18
MAX. CW WATTS -->	200	136	91	71	46	36

MECHANICAL SPECIFICATIONS:	
CABLE MAX. DIAMETER:	0.141 INCHES
MIN. BEND RADIUS:	0.19 INCHES
PREFERRED BEND RADIUS:	0.50 INCHES
CONNECTOR RETENTION:	50 POUNDS MIN.
TEMPERATURE RANGE:	-50 to +105 DEGREES C
MATING TORQUE:	7-10 INCH POUNDS
CONNECTOR INTERFACE:	MIL-STD-348 PAGE 310.3



NOTE: NO MARKERS REQUIRED ON CABLES LESS THAN 6 INCHES.

MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY / BLACK
RoHS MARKER:	MIL-I-23053/5	GREEN
SMA BODY:	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA CAP:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765, SILICON RUBBER	NONE
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER	LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)							MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)							NOM DELAY nS	LENGTH CM
				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				
1-3737-601- 3202	2.00	0.05	0.3	1.10	1.15	1.20	1.25	1.30	1.35	0.10	0.13	0.19	0.22	0.32	0.41	0.24	5.08		
1-3737-601- 3203	3.00	0.05	0.4	1.10	1.15	1.20	1.25	1.30	1.35	0.11	0.15	0.21	0.25	0.36	0.48	0.36	7.62		
1-3737-601- 3204	4.00	0.05	0.4	1.10	1.15	1.20	1.25	1.30	1.35	0.12	0.16	0.24	0.28	0.41	0.54	0.48	10.2		
1-3737-601- 3205	5.00	0.05	0.4	1.10	1.15	1.20	1.25	1.30	1.35	0.13	0.18	0.26	0.31	0.46	0.60	0.60	12.7		
1-3737-601- 3206	6.00	0.10	0.5	1.10	1.15	1.20	1.25	1.30	1.35	0.15	0.20	0.28	0.34	0.50	0.66	0.72	15.2		
1-3737-601- 3207	7.00	0.10	0.5	1.10	1.15	1.20	1.25	1.30	1.35	0.16	0.21	0.31	0.38	0.55	0.72	0.84	17.8		
1-3737-601- 3208	8.00	0.10	0.5	1.10	1.15	1.20	1.25	1.30	1.35	0.17	0.23	0.33	0.41	0.60	0.78	0.96	20.3		
1-3737-601- 3209	9.00	0.10	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.18	0.24	0.35	0.44	0.64	0.84	1.08	22.9		
1-3737-601- 3210	10.0	0.10	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.19	0.26	0.38	0.47	0.69	0.90	1.20	25.4		
1-3737-601- 3211	11.0	0.15	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.20	0.28	0.40	0.50	0.74	0.96	1.32	27.9		
1-3737-601- 3212	12.0	0.15	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.21	0.29	0.43	0.53	0.78	1.02	1.44	30.5		
1-3737-601- 3213	13.0	1.15	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.22	0.31	0.45	0.56	0.83	1.08	1.56	33.0		
1-3737-601- 3214	14.0	0.15	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.23	0.32	0.47	0.59	0.88	1.15	1.68	35.6		
1-3737-601- 3215	15.0	0.15	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.24	0.34	0.50	0.62	0.92	1.21	1.80	38.1		
1-3737-601- 3216	16.0	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.25	0.36	0.52	0.65	0.97	1.27	1.92	40.6		
1-3737-601- 3217	17.0	0.20	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.26	0.37	0.55	0.68	1.02	1.33	2.04	43.2		
1-3737-601- 3218	18.0	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.28	0.39	0.57	0.71	1.06	1.39	2.16	45.7		
1-3737-601- 3220	20.0	0.20	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.30	0.42	0.62	0.77	1.16	1.51	2.40	50.8		
1-3737-601- 3221	21.0	1.20	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.31	0.44	0.64	0.80	1.20	1.57	2.52	53.3		
1-3737-601- 3224	24.0	0.24	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.34	0.48	0.71	0.89	1.35	1.75	2.88	61.0		
1-3737-601- 3225	25.0	0.25	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.35	0.50	0.74	0.92	1.39	1.82	3.00	63.5		
1-3737-601- 3226	26.0	0.26	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.36	0.52	0.76	0.95	1.44	1.88	3.12	66.0		
1-3737-601- 3227	27.0	0.27	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.37	0.53	0.78	0.98	1.49	1.94	3.24	68.6		
1-3737-601- 3228	28.0	0.28	1.2	1.10	1.15	1.20	1.25	1.30	1.35	0.38	0.55	0.81	1.01	1.53	2.00	3.36	71.1		
1-3737-601- 3229	29.0	0.29	1.2	1.10	1.15	1.20	1.25	1.30	1.35	0.39	0.56	0.83	1.04	1.58	2.06	3.48	73.7		
1-3737-601- 3232	32.0	0.32	1.3	1.10	1.15	1.20	1.25	1.30	1.35	0.43	0.61	0.90	1.13	1.72	2.24	3.83	81.3		
1-3737-601- 3236	36.0	0.36	1.4	1.10	1.15	1.20	1.25	1.30	1.35	0.47	0.68	1.00	1.26	1.91	2.48	4.31	91.4		
1-3737-601- 3240	40.0	0.40	1.6	1.15	1.20	1.25	1.30	1.35	1.40	0.51	0.74	1.09	1.38	2.09	2.73	4.79	102		
1-3737-601- 3244	44.0	0.44	1.7	1.15	1.20	1.25	1.30	1.35	1.40	0.56	0.80	1.19	1.50	2.28	2.97	5.27	112		
1-3737-601- 3248	48.0	0.48	1.8	1.15	1.20	1.25	1.30	1.35	1.40	0.60	0.87	1.28	1.62	2.47	3.22	5.75	122		
1-3737-601- 3249	49.0	0.49	1.8	1.15	1.20	1.25	1.30	1.35	1.40	0.61	0.88	1.31	1.65	2.51	3.28	5.87	124		
1-3737-601- 3252	52.0	0.52	1.9	1.15	1.20	1.25	1.30	1.35	1.40	0.64	0.93	1.38	1.74	2.65	3.46	6.23	132		
1-3737-601- 3256	56.0	0.56	2.1	1.15	1.20	1.25	1.30	1.35	1.40	0.69	0.99	1.47	1.86	2.84	3.70	6.71	142		
1-3737-601- 3260	60.0	0.60	2.2	1.15	1.20	1.25	1.30	1.35	1.40	0.73	1.06	1.57	1.99	3.03	3.95	7.19	152		
1-3737-601- 3264	64.0	0.64	2.3	1.15	1.20	1.25	1.30	1.35	1.40	0.77	1.12	1.67	2.11	3.21	4.19	7.67	163		
1-3737-601- 3268	68.0	0.68	2.5	1.20	1.25	1.30	1.35	1.40	1.45	0.82	1.19	1.76	2.23	3.40	4.43	8.15	173		
1-3737-601- 3272	72.0	0.72	2.6	1.20	1.25	1.30	1.35	1.40	1.45	0.86	1.25	1.86	2.35	3.59	4.68	8.63	183		
1-3737-601- 3276	76.0	0.76	2.7	1.20	1.25	1.30	1.35	1.40	1.45	0.90	1.31	1.95	2.47	3.78	4.92	9.11	193		
1-3737-601- 3280	80.0	0.80	2.8	1.20	1.25	1.30	1.35	1.40	1.45	0.95	1.38	2.05	2.59	3.96	5.16	9.59	203		
1-3737-601- 3284	84.0	0.84	3.0	1.20	1.25	1.30	1.35	1.40	1.45	0.99	1.44	2.14	2.71	4.15	5.41	10.1	213		
1-3737-601- 3288	88.0	0.88	3.1	1.20	1.25	1.30	1.35	1.40	1.45	1.03	1.51	2.24	2.84	4.34	5.65	10.5	224		
1-3737-601- 3292	92.0	0.92	3.2	1.20	1.25	1.30	1.35	1.40	1.45	1.08	1.57	2.33	2.96	4.52	5.90	11.0	234		
1-3737-601- 3296	96.0	0.96	3.4	1.20	1.25	1.30	1.35	1.40	1.45	1.12	1.63	2.43	3.08	4.71	6.14	11.5	244		
2-3737-601- 3210	120	1.2	4.1	1.20	1.25	1.30	1.35	1.40	1.45	1.38	2.02	3.00	3.81	5.83	7.60	14.4	305		
2-3737-601- 3215	180	1.8	6.0	1.20	1.25	1.30	1.35	1.40	1.45	2.03	2.97	4.43	5.63	8.64	11.3	21.6	457		
2-3737-601- 3220	240	2.4	8.0	1.20	1.25	1.30	1.35	1.40	1.45	2.68	3.93	5.86	7.45	11.4	14.9	28.8	610		
2-3737-601- 3225	300	3.0	9.9	1.20	1.25	1.30	1.35	1.40	1.45	3.33	4.89	7.29	9.28	14.3	18.6	36.0	762		

D = DISTRIBUTOR ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F. SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

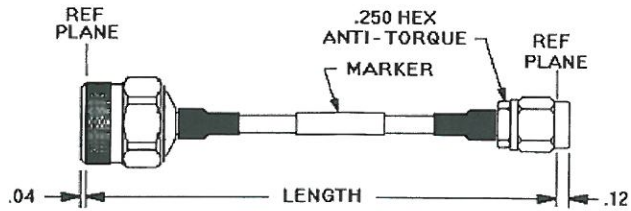
PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY. CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

THESE ASSEMBLIES ARE ALSO AVAILABLE IN RoHS COMPLIANT VERSIONS. TO ORDER, REPLACE THE "1" PREFIX WITH A "Y" OR REPLACE THE "2" PREFIX WITH A "Z".

SEMI-FLEX IS A REGISTERED TRADEMARK OF TENSOLITE CO.

VISIT OUR WEB SITE AT <http://www.tensolite.com>

ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:	50 OHMS					
CAPACITANCE NOMINAL:	25.4 pF/FOOT					
VELOCITY OF PROPAGATION, NOMINAL:	80.0 %					
RELATIVE SHIELDING:	<90 dB MIN.					
INSULATION RESISTANCE:	1000 MEGOHMS MIN.					
DIELECTRIC WITHSTANDING VOLTAGE:	1000 VRMS MIN.					
ELECTRICAL DELAY:	1.27 ns/FOOT					
ELECTRICAL DELAY:	106 ps/INCH					
MAX. PULSE RF POWER:	1250 WATTS					
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ----->	1	2	4	6	12	18
MAX. CW WATTS ---->	299	210	147	119	83	67



MECHANICAL SPECIFICATIONS:		
CABLE MAX. DIAMETER:	0.200	INCHES
MIN. BEND RADIUS:	1.17	INCHES
PREFERRED BEND RADIUS:	3.90	INCHES
CONNECTOR RETENTION:	60	POUNDS MIN.
TEMPERATURE RANGE:	-65 to +105	DEGREES C
MATING TORQUE:	7-10 SMA 10-15 N	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348 (N WITH SOLID OUTER)	

MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	L-P-389 FEP	GREY TINT
MARKER :	MIL-I-23053/5	WHITE / BLACK MARKING
BOOT:	MIL-I-23053/4	BLACK
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204, GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SMA BODY:	ASTM-A-582, STAINLESS STEEL	QQ-P-35, PASSIVATED
SMA NUT:	ASTM-A-582, STAINLESS STEEL	QQ-P-35, PASSIVATED
TYPE N BODY:	ASTM-B-16, BRASS	QQ-S-365, SILVER PLATED
TYPE N NUT:	ASTM-B-16, BRASS	QQ-N-290, NICKEL PLATED
GASKETS:	ZZ-R-765, SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION		MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS										S21 AND S12 CHARACTERISTICS										NOM DELAY nS	LENGTH CM
PART NUMBER		LENGTH INCHES	+ / - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)										MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)											
					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										
1-1836-301- 3206		6.00	0.25	1.5	1.15	1.18	1.20	1.25	1.30	1.50		0.15	0.21	0.29	0.35	0.49	0.63	0.64	15.2							
1-1836-301- 3207		7.00	0.25	1.6	1.15	1.18	1.20	1.25	1.30	1.50		0.16	0.22	0.31	0.37	0.52	0.66	0.74	17.8							
1-1836-301- 3208		8.00	0.25	1.6	1.15	1.18	1.20	1.25	1.30	1.50		0.17	0.23	0.32	0.39	0.55	0.70	0.85	20.3							
1-1836-301- 3209		9.00	0.25	1.7	1.15	1.18	1.20	1.25	1.30	1.50		0.18	0.24	0.34	0.41	0.58	0.73	0.95	22.9							
1-1836-301- 3210		10.00	0.25	1.7	1.15	1.18	1.20	1.25	1.30	1.50		0.18	0.25	0.35	0.43	0.60	0.76	1.06	25.4							
1-1836-301- 3211		11.00	0.25	1.8	1.15	1.18	1.20	1.25	1.30	1.50		0.19	0.26	0.37	0.44	0.63	0.80	1.16	27.9							
1-1836-301- 3212		12.00	0.25	1.8	1.15	1.18	1.20	1.25	1.30	1.50		0.20	0.27	0.38	0.46	0.66	0.83	1.27	30.5							
1-1836-301- 3213		13.00	0.25	1.9	1.15	1.18	1.20	1.25	1.30	1.50		0.21	0.28	0.40	0.48	0.69	0.87	1.38	33.0							
1-1836-301- 3214		14.00	0.25	1.9	1.15	1.18	1.20	1.25	1.30	1.50		0.21	0.29	0.41	0.50	0.71	0.90	1.48	35.6							
1-1836-301- 3215		15.00	0.25	2.0	1.15	1.18	1.20	1.25	1.30	1.50		0.22	0.30	0.43	0.52	0.74	0.94	1.59	38.1							
1-1836-301- 3216		16.00	0.25	2.1	1.15	1.18	1.20	1.25	1.30	1.50		0.23	0.31	0.45	0.54	0.77	0.97	1.69	40.6							
1-1836-301- 3217		17.00	0.25	2.1	1.15	1.18	1.20	1.25	1.30	1.50		0.24	0.32	0.46	0.56	0.80	1.01	1.80	43.2							
1-1836-301- 3218		18.00	0.25	2.2	1.15	1.18	1.20	1.25	1.30	1.50		0.24	0.34	0.48	0.58	0.82	1.04	1.91	45.7							
1-1836-301- 3219		19.00	0.25	2.2	1.15	1.18	1.20	1.25	1.30	1.50		0.25	0.35	0.49	0.60	0.85	1.07	2.01	48.3							
1-1836-301- 3220		20.00	0.25	2.3	1.15	1.18	1.20	1.25	1.30	1.50		0.26	0.36	0.51	0.62	0.88	1.11	2.12	50.8							
1-1836-301- 3221		21.00	0.25	2.3	1.15	1.18	1.20	1.25	1.30	1.50		0.27	0.37	0.52	0.64	0.91	1.14	2.22	53.3							
1-1836-301- 3222		22.00	0.25	2.4	1.15	1.18	1.20	1.25	1.30	1.50		0.27	0.38	0.54	0.65	0.93	1.18	2.33	55.9							
1-1836-301- 3223		23.00	0.25	2.4	1.15	1.18	1.20	1.25	1.30	1.50		0.28	0.39	0.55	0.67	0.96	1.21	2.44	58.4							
1-1836-301- 3224	F	24.00	0.25	2.5	1.15	1.18	1.20	1.25	1.30	1.50		0.29	0.40	0.57	0.69	0.99	1.25	2.54	61.0							
1-1836-301- 3225		25.00	0.25	2.5	1.15	1.18	1.20	1.25	1.30	1.50		0.30	0.41	0.58	0.71	1.02	1.28	2.65	63.5							
1-1836-301- 3226		26.00	0.26	2.6	1.15	1.18	1.20	1.25	1.30	1.50		0.30	0.42	0.60	0.73	1.04	1.32	2.75	66.0							
1-1836-301- 3227		27.00	0.27	2.6	1.15	1.18	1.20	1.25	1.30	1.50		0.31	0.43	0.61	0.75	1.07	1.35	2.86	68.6							
1-1836-301- 3228		28.00	0.28	2.7	1.15	1.18	1.20	1.25	1.30	1.50		0.32	0.44	0.63	0.77	1.10	1.39	2.97	71.1							
1-1836-301- 3229		29.00	0.29	2.7	1.15	1.18	1.20	1.25	1.30	1.50		0.33	0.45	0.64	0.79	1.13	1.42	3.07	73.7							
1-1836-301- 3230		30.00	0.30	2.8	1.15	1.18	1.20	1.25	1.30	1.50		0.33	0.46	0.66	0.81	1.15	1.45	3.18	76.2							
1-1836-301- 3231		31.00	0.31	2.9	1.15	1.18	1.20	1.25	1.30	1.50		0.34	0.47	0.68	0.83	1.18	1.49	3.28	78.7							
1-1836-301- 3232		32.00	0.32	2.9	1.15	1.18	1.20	1.25	1.30	1.50		0.35	0.48	0.69	0.84	1.21	1.52	3.39	81.3							
1-1836-301- 3233		33.00	0.33	3.0	1.15	1.18	1.20	1.25	1.30	1.50		0.36	0.50	0.71	0.86	1.24	1.56	3.49	83.8							
1-1836-301- 3234		34.00	0.34	3.0	1.15	1.18	1.20	1.25	1.30	1.50		0.36	0.51	0.72	0.88	1.26	1.59	3.60	86.4							
1-1836-301- 3235		35.00	0.35	3.1	1.15	1.18	1.20	1.25	1.30	1.50		0.37	0.52	0.74	0.90	1.29	1.63	3.71	88.9							
1-1836-301- 3236	F	36.00	0.36	3.1	1.15	1.18	1.20	1.25	1.30	1.50		0.38	0.53	0.75	0.92	1.32	1.66	3.81	91.4							
1-1836-301- 3239		39.00	0.39	3.3	1.15	1.18	1.20	1.25	1.30	1.50		0.40	0.56	0.80	0.98	1.40	1.76	4.13	99.1							
1-1836-301- 3242		42.00	0.42	3.4	1.15	1.18	1.20	1.25	1.30	1.50		0.42	0.59	0.84	1.03	1.49	1.87	4.45	106.7							
1-1836-301- 3248		48.00	0.48	3.8	1.15	1.18	1.20	1.25	1.30	1.50		0.47	0.66	0.94	1.15	1.65	2.07	5.08	121.9							
1-1836-301- 3254		54.00	0.54	4.1	1.20	1.22	1.25	1.30	1.40	1.50		0.51	0.72	1.03	1.26	1.82	2.28	5.72	137.2							
1-1836-301- 3260		60.00	0.60	4.4	1.20	1.22	1.25	1.30	1.40	1.50		0.56	0.78	1.12	1.38	1.98	2.49	6.35	152.4							
1-1836-301- 3264		64.00	0.64	4.6	1.20	1.22	1.25	1.30	1.40	1.50		0.59	0.83	1.18	1.45	2.09	2.63	6.78	162.6							
1-1836-301- 3266		66.00	0.66	4.7	1.20	1.22	1.25	1.30	1.40	1.50		0.60	0.85	1.21	1.49	2.15	2.70	6.99	167.6							
1-1836-301- 3272		72.00	0.72	5.0	1.20	1.22	1.25	1.30	1.40	1.50		0.65	0.91	1.30	1.60	2.31	2.90	7.63	182.9							
1-1836-301- 3278		78.00	0.78	5.4	1.20	1.22	1.25	1.30	1.40	1.50		0.69	0.98	1.40	1.72	2.48	3.11	8.26	198.1							
1-1836-301- 3284		84.00	0.84	5.7	1.20	1.22	1.25	1.30	1.40	1.50		0.74	1.04	1.49	1.83	2.64	3.32	8.90	213.4							
1-1836-301- 3290		90.00	0.90	6.0	1.20	1.22	1.25	1.30	1.40	1.50		0.78	1.10	1.58	1.95	2.81	3.52	9.53	228.6							
1-1836-301- 3296		96.00	0.96	6.3	1.20	1.22	1.25	1.30	1.40	1.50		0.83	1.17	1.67	2.06	2.97	3.73	10.17	243.8							
1-1836-301- 3299		99.00	0.99	6.5	1.20	1.22	1.25	1.30	1.40	1.50		0.85	1.20	1.72	2.12	3.06	3.83	10.48	251.5							
2-1836-301- 3209		108.00	1.08	7.0	1.20	1.22	1.25	1.30	1.40	1.50		0.92	1.30	1.86	2.29	3.31	4.14	11.44	274.3							
2-1836-301- 3210		120.00	1.20	7.6	1.20	1.22	1.25	1.30	1.40	1.50		1.01	1.42	2.04	2.52	3.64	4.56	12.71	304.8							
2-1836-301- 3212		144.00	1.44	8.9	1.20	1.22	1.25	1.30	1.40	1.50		1.19	1.68	2.41	2.97	4.30	5.38	15.25	365.8							
2-1836-301- 3215		180.00	1.80	10.8	1.20	1.22	1.25	1.30	1.40	1.50		1.45	2.07	2.96	3.66	5.29	6.63	19.06	457.2							
2-1836-301- 3221		252.00	2.52	14.7	1.20	1.22	1.25	1.30	1.40	1.50		1.99	2.83	4.06	5.02	7.28	9.11	26.69	640.1							
2-1836-301- 3225		300.00	3.00	17.2	1.20	1.22	1.25	1.30	1.40	1.50		2.35	3.35	4.80	5.94	8.60	10.76	31.77	762.0							
2-1836-301- 3233		396.00	3.96	22.4	1.20	1.22	1.25	1.30	1.40	1.50		3.07	4.37	6.27	7.76	11.25	14.07	41.94	1005.8							

IMPEDANCE, NOMINAL:	50	OHMS				
CAPACITANCE NOMINAL:	28.8	pf/FOOT				
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%				
RELATIVE SHIELDING	-90	dB MIN.				
INSULATION RESISTANCE:	1000	MEGOHMS MIN.				
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.				
ELECTRICAL DELAY:	1.44	ns/FOOT				
ELECTRICAL DELAY:	120	ps/INCH				
MAX. PULSE RF POWER:	1250	WATTS				
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ----->	1	2	4	6		
MAX. CW WATTS --->	38	26	18	15		



CABLE MAX. DIAMETER:	0.119	INCHES
MIN. BEND RADIUS:	0.69	INCHES
PREFERRED BEND RADIUS:	2.30	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	COMMERCIAL SMP

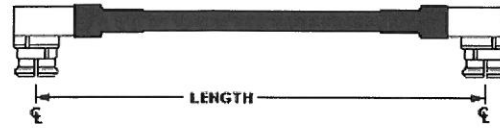
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	POLYURETHANE	CLEAR
MARKER:	MIL-I-23053/5	GRAY
BOOT:	MIL-I-23053/4	BLACK
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
SMP BODY:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
SOL VENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY

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ELECTRICAL SPECIFICATIONS

IMPEDANCE, NOMINAL:	50	OHMS			
CAPACITANCE NOMINAL:	28.7	pf/FOOT			
VELOCITY OF PROPAGATION, NOMINAL:	70.7	%			
RELATIVE SHIELDING	-90	dB MIN.			
INSULATION RESISTANCE:	1000	MEGOHMS MIN.			
DIELECTRIC WITHSTANDING VOLTAGE:	1000	VRMS MIN.			
ELECTRICAL DELAY:	1.44	ns/FOOT			
ELECTRICAL DELAY:	120	ps/INCH			
MAX. PULSE RF POWER:	1250	WATTS			
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)					
F (IN GHz) ----->	1	2	4	6	
MAX. CW WATTS -->	38	26	18	15	



**NOTE: PHASE MATCHED TO WITHIN +/-5PS OF A GOLDEN STANDARD
(+/-10.8 DEGREES @ 6GHZ)**

MECHANICAL SPECIFICATIONS:

CABLE MAX. DIAMETER:	0.119	INCHES
MIN. BEND RADIUS:	0.69	INCHES
PREFERRED BEND RADIUS:	2.30	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	COMMERCIAL SMP

MATERIALS AND FINISHES

DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	POLYURETHANE	CLEAR
BOOT:	MIL-I-23053/4	BLACK
SMP CONTACT:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
SMP INSULATOR:	ASTM-D-1710, PTFE	NONE
SMP BODY:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

[illegible]

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.

Q-FLEX IS A REGISTERED TRADEMARK OF TENSOLITE CO.

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