



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:	1000 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. (INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)					
F (IN GHz) ----->	1	2	4	6	12.4	18
MAX. CW WATTS ----->	50	33	22	17.3	11.4	8.5
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.6	5.4
LOSS STABILITY dB---->	0.01	0.01	0.01	0.015	0.031	0.045
CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIUS						

MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE:	7-1112-524-11	SEE DATA SHEET
CABLE JACKET:	POLYURETHANE	BLACK
MARKER:	MIL-I-23053	WHITE/BLACK MARKING
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
TYPE N BODY:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
TYPE N NUT:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
AVAILABLE GASKET:	ZZ-R-765 SILICON RUBBER	RED
THESE TYPE N CONNECTORS DO NOT HAVE A WEATHER SEALING GASKET. A USER INSTALLED TYPE N GASKET IS AVAILABLE. ORDER GASKET, PART NUMBER 5-1368-100-17 (PKG OF 100).		
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

MECHANICAL SPECIFICATIONS:	
CABLE MAX. DIAMETER:	0.222 INCHES
MINIMUM BEND RADIUS:	4.00 INCHES
CONNECTOR RETENTION:	100 POUNDS MIN.
TEMPERATURE RANGE:	-55 to +85 DEGREES C
MATING TORQUE:	10-15 INCH POUNDS
TYPE N CONNECTOR INTERFACE:	QMI-STD-348-402A SOLID OUTER

PART NUMBER	LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)								MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						LENGTH CM
				UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12.4	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12.4	12 TO 18			
1-1818-524-WH 24	S	24.0	0.25	5.4	1.07	1.12	1.18	1.23	1.28	1.30	0.34	0.45	0.70	0.88	1.36	1.73	61.0	
1-1818-524-WH 30	S	30.0	0.30	5.8	1.07	1.12	1.18	1.23	1.28	1.30	0.40	0.54	0.85	1.06	1.64	2.09	76.2	
1-1818-524-WH 36	S	36.0	0.36	6.1	1.07	1.12	1.18	1.23	1.28	1.30	0.47	0.64	0.99	1.24	1.92	2.45	91.4	
1-1818-524-WH 39	M	39.4	0.39	6.3	1.07	1.12	1.18	1.23	1.28	1.30	0.50	0.69	1.07	1.34	2.08	2.66	100.1	
1-1818-524-WH 48	S	48.0	0.48	6.9	1.07	1.12	1.18	1.23	1.28	1.30	0.59	0.83	1.27	1.60	2.48	3.17	121.9	
1-1818-524-WH 59	M	59.1	0.59	7.6	1.07	1.12	1.18	1.23	1.28	1.30	0.71	1.00	1.53	1.93	3.00	3.84	150.0	
1-1818-524-WH 60	S	60.0	0.60	7.6	1.10	1.15	1.20	1.25	1.30	1.35	0.72	1.02	1.55	1.96	3.05	3.89	152.4	
1-1818-524-WH 72	S	72.0	0.72	8.4	1.10	1.15	1.20	1.25	1.30	1.35	0.85	1.21	1.83	2.32	3.61	4.61	182.9	
1-1818-524-WH 79	M	78.8	0.79	8.8	1.10	1.15	1.20	1.25	1.30	1.35	0.92	1.31	1.99	2.52	3.93	5.02	200.2	
1-1818-524-WH 84	S	84.0	0.84	9.1	1.10	1.15	1.20	1.25	1.30	1.35	0.98	1.40	2.12	2.68	4.18	5.33	213.4	
1-1818-524-WH 96	S	96.0	0.96	9.9	1.10	1.15	1.20	1.25	1.30	1.35	1.11	1.58	2.40	3.04	4.74	6.05	243.8	
2-1818-524-WH 10		120.0	1.20	11.4	1.12	1.18	1.23	1.28	1.35	1.38	1.37	1.96	2.96	3.76	5.87	7.49	304.8	
2-1818-524-WH 12		144.0	1.44	12.9	1.12	1.18	1.23	1.28	1.35	1.38	1.62	2.34	3.53	4.48	7.00	8.93	365.8	
2-1818-524-WH 15	D	180.0	1.80	15.2	1.12	1.18	1.23	1.28	1.35	1.38	2.01	2.91	4.38	5.56	8.70	11.09	457.2	
2-1818-524-WH 20	D	240.0	2.40	18.9	1.12	1.18	1.23	1.28	1.35	1.38	2.65	3.86	5.79	7.36	11.52	14.69	609.6	
2-1818-524-WH 25	D	300.0	3.00	22.7	1.12	1.18	1.23	1.28	1.35	1.38	3.30	4.80	7.20	9.16	14.34	18.30	762.0	
2-1818-524-WH 30	D	360.0	3.60	26.4	1.12	1.18	1.23	1.28	1.35	1.38	3.94	5.75	8.61	10.95	17.17	21.90	914.4	
2-1818-524-WH 50		600.0	6.00	41.5	1.12	1.18	1.25	1.30	1.38	1.40	6.51	9.53	14.26	18.15	28.46	36.30	1524.0	
2-1818-524-WH 79		948.0	9.48	63.3	1.12	1.18	1.25	1.30	1.38	1.40	10.24	15.02	22.45	28.58	44.84	57.18	2407.9	
1 = INCHES	S = STANDARD ITEM	MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.																
2 = FEET	M = METRIC EQUIVALENT LENGTH																	
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.																		
DATA FOR CABLES LONGER THAN 25 FEET ARE TYPICAL.																		
SEMI-FLEX IS A REGISTERED TRADEMARK OF TENSOLITE CO.																		
VISIT OUR WEB SITE AT http://www.tensolite.com																		