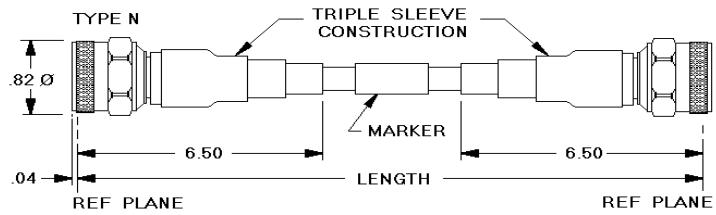


ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:	50 OHMS					
CAPACITANCE NOMINAL:	25.0 pF/FOOT					
VELOCITY OF PROPAGATION, NOMINAL:	80.0 %					
RELATIVE SHIELDING:	-90.0 dB MIN.					
INSULATION RESISTANCE:	1000 MEGOHMS MIN.					
DIELECTRIC WITHSTANDING VOLTAGE:	1500 VRMS MIN.					
ELECTRICAL DELAY, NOMINAL:	1.29 ns/FOOT					
ELECTRICAL DELAY, NOMINAL:	107 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	18
MAX. CW WATTS ----->	700	500	350	290	180	140
PHASE STABILITY DEG.	0.6	1.2	2.4	3.6	7.2	10.8
LOSS STABILITY DB----->	0.02	0.02	0.02	0.03	0.06	0.10
CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIUS						

MECHANICAL SPECIFICATIONS:	
CABLE MAX. DIAMETER:	0.200 INCHES
MIN. ONE TIME BEND RADIUS:	1.00 INCHES
PREFERRED BEND RADIUS:	4.00 INCHES
CONNECTOR RETENTION:	75 POUNDS MIN.
TEMPERATURE RANGE:	-55 to +105 DEGREES C
MATING TORQUE:	10-15 INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348



MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	LP-389 FEP	GRAY TINT
MARKER:	MIL-I-23053	WHITE
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
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NUTS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
AVAILABLE GASKET:	ZZ-R-765 SILICON RUBBER	RED
THIS TYPE N CONNECTOR DOES NOT HAVE A WEATHER SEALING GASKET.		
A USER INSTALLED TYPE N GASKET IS AVAILABLE.		
ORDER GASKET, PART NUMBER 5-1368-100-17.		
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.)							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		
WLU18-1818- 018	18.0	0.25	4.3	1.10	1.15	1.20	1.25	1.30	1.35		0.23	0.31	0.43	0.51	0.72	0.90		45.7
WLU18-1818- 020	20.0	1.25	4.4	1.10	1.15	1.20	1.25	1.30	1.35		0.25	0.33	0.46	0.55	0.78	0.96		50.8
WLU18-1818- 024	24.0	0.25	4.6	1.10	1.15	1.20	1.25	1.30	1.35		0.27	0.37	0.51	0.62	0.88	1.09		61.0
WLU18-1818- 025	25.0	0.25	4.6	1.10	1.15	1.20	1.25	1.30	1.35		0.28	0.38	0.53	0.64	0.91	1.13		63.5
WLU18-1818- 026	26.0	0.26	4.7	1.10	1.15	1.20	1.25	1.30	1.35		0.29	0.39	0.54	0.66	0.93	1.16		66.0
WLU18-1818- 027	27.0	0.27	4.7	1.10	1.15	1.20	1.25	1.30	1.35		0.30	0.40	0.56	0.67	0.96	1.19		68.6
WLU18-1818- 028	28.0	0.28	4.8	1.10	1.15	1.20	1.25	1.30	1.35		0.30	0.41	0.57	0.69	0.99	1.22		71.1
WLU18-1818- 029	29.0	0.29	4.8	1.10	1.15	1.20	1.25	1.30	1.35		0.31	0.42	0.59	0.71	1.01	1.26		73.7
WLU18-1818- 030	30.0	0.30	4.9	1.10	1.15	1.20	1.25	1.30	1.35		0.32	0.43	0.60	0.73	1.04	1.29		76.2
WLU18-1818- 031	31.0	0.31	4.9	1.10	1.15	1.20	1.25	1.30	1.35		0.32	0.44	0.62	0.75	1.06	1.32		78.7
WLU18-1818- 032	32.0	0.32	5.0	1.10	1.15	1.20	1.25	1.30	1.35		0.33	0.45	0.63	0.76	1.09	1.35		81.3
WLU18-1818- 033	33.0	0.33	5.0	1.10	1.15	1.20	1.25	1.30	1.35		0.34	0.46	0.65	0.78	1.12	1.39		83.8
WLU18-1818- 034	34.0	0.34	5.1	1.10	1.15	1.20	1.25	1.30	1.35		0.35	0.47	0.66	0.80	1.14	1.42		86.4
WLU18-1818- 035	35.0	0.35	5.1	1.10	1.15	1.20	1.25	1.30	1.35		0.35	0.48	0.68	0.82	1.17	1.45		88.9
WLU18-1818- 036	36.0	0.36	5.2	1.10	1.15	1.20	1.25	1.30	1.35		0.36	0.49	0.69	0.84	1.20	1.48		91.4
WLU18-1818- 039	39.0	0.39	5.3	1.10	1.15	1.20	1.25	1.30	1.35		0.38	0.52	0.74	0.89	1.27	1.58		99.1
WLU18-1818- 042	42.0	0.42	5.4	1.10	1.15	1.20	1.25	1.30	1.35		0.40	0.55	0.78	0.95	1.35	1.68		106.7
WLU18-1818- 045	45.4	0.45	5.6	1.10	1.15	1.20	1.25	1.30	1.35		0.43	0.59	0.83	1.01	1.44	1.79		115.2
WLU18-1818- 048	48.0	0.48	5.7	1.10	1.15	1.20	1.25	1.30	1.35		0.45	0.62	0.87	1.06	1.51	1.87		121.9
WLU18-1818- 054	54.0	0.54	6.0	1.10	1.15	1.20	1.25	1.30	1.35		0.49	0.68	0.96	1.17	1.67	2.07		137.2
WLU18-1818- 059	59.0	0.59	6.2	1.10	1.15	1.20	1.25	1.30	1.35		0.53	0.73	1.03	1.26	1.80	2.23		149.9
WLU18-1818- 060	60.0	0.60	6.3	1.10	1.15	1.20	1.25	1.30	1.35		0.54	0.74	1.05	1.27	1.82	2.26		152.4
WLU18-1818- 066	66.0	0.66	6.6	1.10	1.15	1.20	1.25	1.30	1.35		0.58	0.80	1.13	1.38	1.98	2.46		167.6
WLU18-1818- 072	72.0	0.72	6.8	1.10	1.15	1.20	1.25	1.30	1.35		0.62	0.86	1.22	1.49	2.14	2.65		182.9
WLU18-1818- 079	79.0	0.79	7.2	1.10	1.15	1.20	1.25	1.30	1.35		0.67	0.94	1.33	1.62	2.32	2.88		200.7
WLU18-1818- 084	84.0	0.84	7.4	1.10	1.15	1.20	1.25	1.30	1.35		0.71	0.99	1.40	1.71	2.45	3.04		213.4
WLU18-1818- 096	96.0	0.96	8.0	1.10	1.15	1.20	1.25	1.30	1.35		0.80	1.11	1.58	1.93	2.77	3.43		243.8
WLU18-1818- 099	99.0	0.99	8.1	1.10	1.15	1.20	1.25	1.30	1.35		0.82	1.14	1.62	1.98	2.85	3.53		251.5
WLU18-1818- 108	108.0	1.08	8.5	1.10	1.15	1.20	1.25	1.30	1.35		0.88	1.24	1.75	2.15	3.08	3.82		274.3
WLU18-1818- 120	120.0	1.20	9.1	1.10	1.15	1.20	1.25	1.30	1.35		0.97	1.36	1.93	2.37	3.40	4.22		304.8
WLU18-1818- 144	144.0	1.44	10.2	1.13	1.18	1.23	1.28	1.33	1.38		1.14	1.61	2.28	2.80	4.02	5.00		365.8
WLU18-1818- 180	180.0	1.80	11.9	1.13	1.18	1.23	1.28	1.33	1.38		1.41	1.98	2.82	3.46	4.97	6.17		457.2
WLU18-1818- 240	240.0	2.40	14.7	1.13	1.18	1.23	1.28	1.33	1.38		1.84	2.60	3.70	4.55	6.54	8.12		609.6
WLU18-1818- 300	300.0	3.00	17.5	1.18	1.21	1.28	1.31	1.38	1.41		2.28	3.22	4.59	5.64	8.11	10.07		762.0
WLU18-1818- 472	472.0	4.72	25.5	1.18	1.21	1.28	1.31	1.38	1.41		3.52	4.99	7.12	8.77	12.61	15.66		1198.9
WLU18-1818- 540	540.0	5.40	28.7	1.18	1.21	1.28	1.31	1.38	1.41		4.02	5.70	8.13	10.01	14.39	17.87		1371.6
WLU18-1818- 780	780.0	7.80	39.9	1.18	1.21	1.28	1.31	1.38	1.41		5.76	8.18	11.67	14.38	20.67	25.68		1981.2

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.

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