

<b>Raytheon</b>		Raytheon Company Lexington MA 02173		CAGE CODE <b>49956</b>		SPEC NO. <b>T1-110</b>	
				SHEET 1 OF 2		REV 5	
TYPE OF SPEC  PURCHASE SPECIFICATION <span style="float: right;">DISK:97</span>							
TITLE OF SPEC  RECTANGULAR LIZT WIRE							
FUNCTION	APPROVED	DATE	FUNCTION	APPROVED	DATE		
WRITER	R. E. FOLEY	8-28-80					
	E. Palasek	9-28-80					
REVISIONS							
CHK	DESCRIPTION	REV	CHK	DESCRIPTION	REV		
	PER SCN 11301	0					
	SCN 12664 8-25-81	1					
	SCO 17854 RM	2					
	SCN 19125 8-23-85	3					
DWP	SCN 29548	4					
	SCO 29908 10/4/93 AD	5					
REVISION	5	5					
SHEET NO.	1	2					
REV STATUS OF SHEETS	REVISION						
	SHEET NO.						

10-2742 (10/88) VELLUM PRINTED IN U.S.A. (10/88)

DISK:97

**Raytheon**Raytheon Company  
Lexington MA 02173

FSCM NO.

49956

SPEC NO.

T1-110

2 SHEET  
OF 2

REV 5

1. Litz wire purchased to specification shall be manufactured from polythermaze 200 or equivalent magnet wire JW1177/14B, CL200, K2 (Or As Noted)
2. No breaks in strands are allowed.
3. Litz wire is to be flattened by rollers, spaced as specified herein. Litz wire is not to be run through a so-called Turks Head roller which constrains the wire in two different directions.
4. Once a method of manufacture has been established, no changes may be made without written approval of Raytheon Company.
5. Each spool of wire shall be inspected for quality of workmanship, broken stands, dimensions, abraded insulation and DC resistance. Wire not meeting the highest level of workmanship shall not be shipped.
6. Records shall be maintained of dimensions and DC resistance measured.
7. Certification and data must accompany each shipment.
8. Mark spools with Raytheon part number.

P/N	Old P/N	Strands	Basic Gauge	(m)	Roller Setting in.	Width Max. in.	Thickness Max. in.	DC Res. per 10Ft. mΩ, Max	Picks/in.
01	1-80	48 x 6	36	7,200	.028	.490	.030	18	8 ± .5
02	1-91	48 x 13	36	15,600	.042	.850	.044	8.3	
03	1-92	24 x 9	36	5,400	.048	.230	.050	24	
04	1-98	48 x 6	30	28,800	.058	.970	.060	4.5	
05	1-99	48 x 22	36	26,400	.058	.970	.060	4.9	
06	1-100	24 x 12	29	36,000	.076	.980	.078	3.6	
07	-	48 x 11	36	13,200	.051	.700	.053	9.8	
08	-	48 x 9	36	10,800	.032	.700	.034	12	
09	1-117	48 x 8	36	9,600	.048	.600	.050	14.2	
**10	-	48 x 5	33	12,100	.048	.600	.050	11.3	

\* PART NO. 09 TO BE MANUFACTURED USING  
A MINIMUM TO NOMINAL RUN OF WIRE  
WITH INDIVIDUAL CONDUCTOR DIAMETERS  
.0057 MIN. TO .0060 MAX.

\*\* WIRE IS SINGLE INSULATION K1