

RAYTHEON RAYTHEON COMPANY LEXINGTON MA 02173			FSCM NO.		SPEC NO. T 1-8		
			49956		SHEET 1 OF 2	REV 19	
TYPE OF SPEC Purchase Specification							
TITLE OF SPEC Wire, Magnet, Round Film Insulated Solderable, Class 180°C AWG 14-56							
FUNCTION	APPROVED	DATE	FUNCTION	APPROVED	DATE		
WRITER	R. E. FOLEY	3/24/69					
REVISIONS							
CHK	DESCRIPTION			REV	CHK	DESCRIPTION	
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	SCO 30160	6/16/94	DWP	8			
	SCO 30220 NOTES 1,3 & 4 REV NOTE			9			
	6 REM. EWP	8/12/94	DWP	9			
	SCO 50460	12/28/95		10			
	SCO 51383	09/18/97	DWP	11			
RF	SCO 52000	04/15/99	DWP	12			
	SCO 52472	07/27/00	DWP	13			
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RAD	SCO 56188	10/25/07	DWP	18			
WER	SCO 56684	2/17/09	DWP	19			
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1. Requirements:

Material purchased to this specification shall meet the requirement of **FEDERAL SPECIFICATION NEMA MW77** for AWG 14 thru 56 and NEMA MW78 may be used for AWG 14 thru 24 with Raytheon Engineering Approval.
Do not substitute MW78 for AWG 25-56

Insulation Build	---Type---
S - single	H
H - double	H2
T - triple	H3

2. Quality Assurance Provisions - NEMA MW77 OR MW78 (depending on AWG)

3. Packaging and Marking

3.1 Wire shall be packaged for shipment per NEMA MW77 / MW78

3.2 Individual spools shall be marked with manufacturer's name, product identification, AWG wire size and weight.

3.3 A certificate of compliance to NEMA MW77 (or MW78 depending on AWG) shall be supplied with each shipment.

4. The part number shall be T 1-8 followed by the AWG wire size, a letter designating insulation thickness: S, single; H, double; T, triple and a number designating spool size.

3 = 2.75/3.00 inch diameter x 4.00 max high
6 = 5.50/6.00 inch diameter x 4.00 max high.
12 = 11.50/12.00 inch max. diameter x 8.00 max high.

EX: T1-8-22S6 = 22 gauge wire, single insulation. build on a 6 inch spool

NOTE: If spool size number is not specified, build on a 6 inch spool

NOTE: Spool I. D. (thru hole): .62 Diameter minimum

5. Tinning, soldering temperature is 840°F (449°C) to 860°F (460°C)

Note to Engineering: For non solder strippable magnet wire and AWG larger than 14 AWG see T1-182.

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