

RAYTHEON RAYTHEON COMPANY LEXINGTON MA 02173			FSCM NO. 49956		SPEC NO. T 1-8	
			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	
	ECO TCN 72-1935				5	
	TCN 72-325 2/9/73				6	
	SCN 16401	3/25/83	MJ		7	
	SCO 30160	6/16/94	DWP		8	
	SCO 30220 NOTES 1,3 & 4 REV NOTE					
	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	
WR	SCO 53329	3/26/02	DWP		14	
WR	SCO 53361	3/26/02	DWP		15	
WR	SCO 53585	10/1702	DWP		16	
WR	SCO 54849	5/25/05	DWP		17	
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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