MILITARY SPECIFICATION SHEET

TERMINALS, LUG AND SPLICES, CONDUCTOR, CRIMP STYLE, SPLICE, ELECTRIC, (PERMANENT, TYPE II, CLASS 1) FOR 150°C TOTAL CONDUCTOR TEMPERATURE

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The complete requirements for acquiring the splice described herein shall consist of this document and the latest issue of Specification MIL-T-7928.

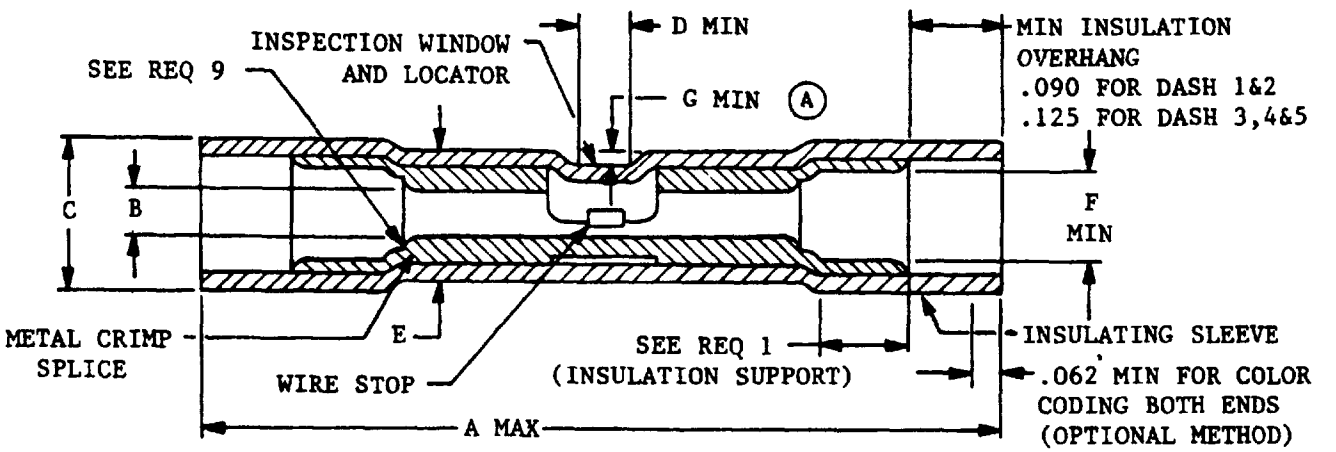

TABLE I (A)

DASH NO.	WIRE RANGE	A MAX.	B	C	D MIN.	E MIN.	F MIN.	G MIN.	COLOR OF CIRCULAR RINGS OR LONGITUDINAL STRIPES
-1	26-24	.860	.033/.027	.160/.125	.060	.150/.125	.070	.025	YELLOW
-2	24-20	1.035	.055/.043	.170/.135	.060	.165/.135	.100	.030	WHITE
-3	22-18	1.300	.073/.052	.220/.160	.080	.210/.160	.110	.050	RED
-4	16-14	1.300	.095/.081	.260/.180	.080	.250/.180	.140	.050	BLUE
-5	12-10	1.700	.139/.129	.320/.250	.110	.300/.250	.200	.050	YELLOW

(A) DENOTES CHANGES

FSC 5940

REQUIREMENTS:

1. Min Cable Insulation Support: .060 for dash 1 and 2
   .094 for dash 3, 4 and 5

2. Material: Copper (See acquisition specification) or copper alloy. Material shall have adequate electrical conductivity and shall be sufficiently strong to resist cracking after forming and crimping.

3. Insulating Sleeve: See acquisition specification.

4. Finish: Metal, tin plated: See acquisition specification.

5. Color: Insulation to be clear, uncolored, with color coding per color chart.

   a. Longitudinal stripes (2 or 3) .062 wide per color chart. Stripes to run the length of the tube. The stripes must extend to within 1/16 inch of the ends of the insulation.

   b. Optional Method: A color ring .062 wide on each end of tube. The rings must cover a minimum of 315° of the circumference.

6. Dimension B to be determined as the average of two diameters measured at right angles.

7. The inspection window and locator shall provide a positive means of positioning splice in the applicable crimping tool and provide visible inspection of stripped wire ends.

8. Crimping Tools: Crimping tools for the MIL-T-7928/6 splices shall be as specified below.

SPLICE PN	TOOL		DIE
M7928/6-1	M22520/5-01	and	M22520/5-101
		or	
M7928/6-2	M22520/10-01	and	M22520/10-102
M7928/6-3	M22520/5-01	and	M22520/5-100
		or	
M7928/6-4	M22520/10-01	and	M22520/10-101
M7928/6-5	M22520/5-01	and	M22520/5-100
		or	
	M22520/10-01	and	M22520/10-100

9. Insulating support and wire barrel may be multiple piece construction. Contour may vary from that shown, within specified dimensions, but wire lead-in to wire barrel shall be provided.

10. For qualification, any one of the following wires may be used: MIL-W-81044/6, 7, 8, 9, 10, 12 and 13 and MIL-W-22759/16 thru /19.

11. Flattening of insulation sleeve to form locator may cause the sleeve to exceed the E dimension by .050 max in the locator area.

12. Part Number: Consists of the letter "M", the basic number of this specification sheet, and a dash number taken from Table I.

    Example: M7928/6-1 Splice for 26-24 Wire Range.

NOTES:

1. Dimensions are in inches.

2. Metric equivalents (to the nearest .01mm) are given for general information only and are based upon 1 inch = 25.4mm.

INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
.025	0.64	.070	1.78	.129	3.28	.220	5.59
.027	0.69	.073	1.85	.135	3.43	.250	6.35
.030	0.76	.080	2.03	.139	3.53	.260	6.60
.033	0.84	.081	2.06	.140	3.56	.300	7.62
.043	1.09	.090	2.29	.150	3.81	.320	8.13
.050	1.27	.094	2.39	.160	4.06	.860	21.84
.052	1.32	.095	2.41	.170	4.32	1.035	26.29
.055	1.40	.100	2.54	.180	4.57	1.300	33.02
.060	1.52	.110	2.79	.200	5.08	1.700	43.18
.062	1.57	.125	3.18	.210	5.33		

Custodians:
Navy - AS
Army - ER
Air Force - 85

Review Activities:
Navy - SH, EC
Army - AV
Air Force - 11, 99
DSA-GS

Preparing Activity:
Navy - AS
(Project No. 5940-0941)

User Activity:
Navy - MC
Army -
Air Force -

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DOCUMENT IDENTIFIER *(Number)* AND TITLE MIL-T-7928/6 Terminals, Lug and Splices, Conductor, Crimp Style, Splice, Electric, (Permanent, Type II, Class 1)

NAME OF ORGANIZATION AND ADDRESS OF SUBMITTER

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