MIL-T-7928/5B
8 June 1981
Superseding
MIL-T-7928/5A
22 August 1979

MILITARY SPECIFICATION SHEET

TERMINALS, LUG AND SPLICES, CONDUCTOR, CRIMP STYLE, SPLICE, ELECTRIC, (PERMANENT, TYPE II, CLASS 1) FOR 105°C TOTAL CONDUCTOR TEMPERATURE

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

The complete requirements for procuring the splice described herein shall consist of this document and the latest issue of Specification MIL-T-7928. MIL-T-7928/5 is not for Navy use. For Navy use, use MIL-S-81824 splice.

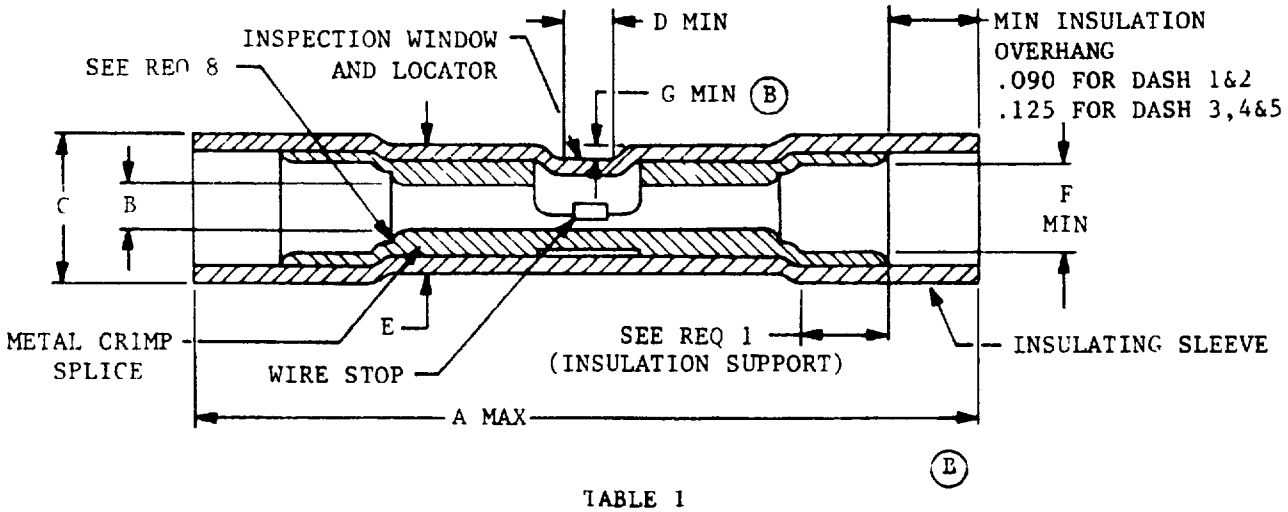

TABLE I

DASH NO.	WIRE RANGE	A MAX.	B	C	D MIN.	E MIN.	F MIN.	G MIN.	INSULATING SLEEVE TRANSPARENT COLOR
-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	CLEAR
-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

(L) NOTES 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. Dimension B to be determined as the average of two diameters measured at right angles.
6. 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.
7. Crimping Tools: Crimping tools for the MIL-T-7928/5 splices shall be as specified below.

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

8. Insulation 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.
9. Qualification: For qualification, splices shall be tested with anyone of the following wires: MIL-W-22759/1, 9 or 11 or MIL-W-81381/1, 3 or 7.
10. Part Number: Consists of the letter "M", the basic number of this specification sheet, and a dash number taken from Table I.

    Example: M7928/5-1 Splice for 26-24 Wire Range.

11. MIL-T-7928/5, upon issuance of a QPL for MIL-T-7928/5 supersedes MIL-T-7928/3 for procurement and new design. Existing stock of M7928/3-2, -3 and -4 are interchangeable with M7928/5-3, -4 and -5 and may be used until exhausted. Existing stock of M7928/3-1 should be scrapped since no QPL has been established. As replacement, use the following equivalent dash numbers.

M7928/5	M7928/3
-1	-1
-2	None
-3	-2
-4	-3
-5	-4

12. Flattening of insulation sleeve to form locator may cause the sleeve to exceed the E dimension by .050 max in the locator area for the -1 through -4 and .060 for the -5.

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:
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Army - ER
Air Force - 85

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

Preparing Activity:
Navy - AS
(Project No. 5940-0940)

User Activity:
Navy - MC
Army -

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DOCUMENT IDENTIFIER *(Number)* AND TITLE MIL-T-7928/5B Terminals, Lug and Splices, Conductor, Crimp Style, Splice Electric, (Permanent, Type II, Class 1)

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