

MIL-T-7928/7
8 June 1981

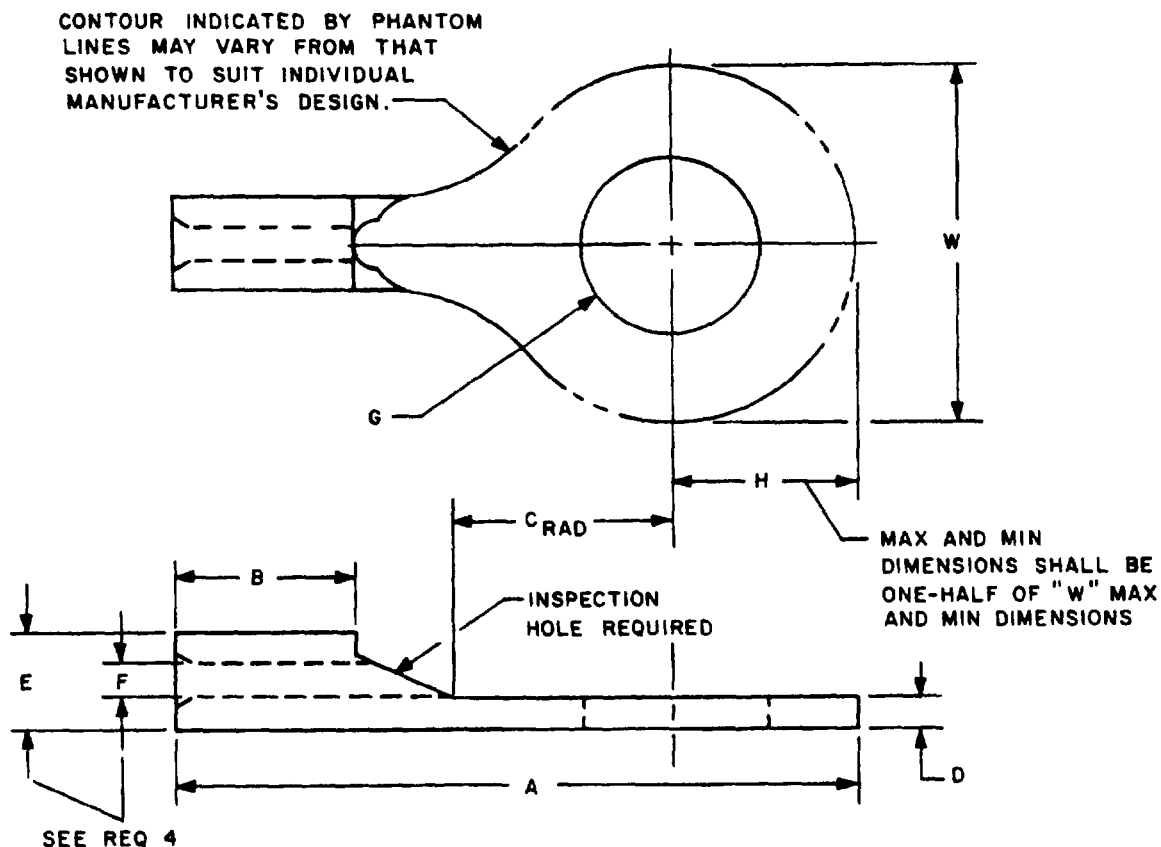
MILITARY SPECIFICATION SHEET

Terminal Lug and Splices, Conductor, Crimp Style, Copper

Terminal Lug, Crimp Style, Copper, Uninsulated, Ring Tongue
 Type I, Class 1
 For 175°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 terminals described herein
 shall consist of this document and the latest issue of specification
 MIL-T-7928.



FSC 5940

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TABLE I

Dash No.	Wire Size	Stud Size	A Max.	B Min.	C Min. Rad.	D		E Dia.	F Dia.	G		W		MIL-T-16366 (SHIPS) Reference
						Max.	Min.			Max.	Min.	Max.	Min.	
-1	22-18	2 (.086)	.560	.240	.115	.037	.023	$\frac{.165}{.110}$	$\frac{.070}{.052}$.098	.090	.230	.198	1-2
-2		4 (.112)												
-3		6 (.138)	.747		.200					.152	.142	.320	.275	
-4		10 (.190)	.747		.200					.203	.193	.320	.275	
-5		5/16 (.3125)	.953		.312					.338	.323	.540	.450	
-6		3/8 (.375)	1.125		.380					.400	.385	.609	.520	
-7	16-14	6 (.138)	.747	.240	.200	.037	.023	$\frac{.192}{.139}$	$\frac{.098}{.081}$.152	.142	.320	.275	L33, 2-1/2-4
-8		10 (.190)	.747		.200					.203	.193	.320	.275	L36, 2-1/2-4
-9		5/16 (.3125)	.953		.312					.338	.323	.540	.450	L65, 2-1/2-4
-10		3/8 (.375)	1.125		.380					.400	.385	.609	.520	L66, 2-1/2-4
-11		4 (.112)	.560		.115					.122	.114	.250	.240	2-1/2-4

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Requirements:

1. Material: Soft copper, QQ-C-502, Class A
Copper tubing, ASTM B75-68
Gilding Metal, 95 percent copper, 5 percent zinc.
2. Finish: Tin plated. See acquisition specification.
3. Qualification testing: For qualification, terminals shall be tested with any one of the following wires: MIL-W-22759/1, 9 or 11 or MIL-W-81381/1, 3 or 7, and tooling as follows: MIL-C-22520/24 hand crimping tool. MIL-C-915 and MIL-C-2194 cables may be used with MIL-C-22520/25 or MIL-C-22520/24 hand crimping tool.
4. Average diameter of "E" and "F" dimensions must be within qualification dimensions. Max and min. dimensions due to ovalization must be within 3% of specification requirements.
5. Where split barrel construction is used, the split shall be permanently sealed and shall not open as a result of crimping.
6. Part number. The part numbers shall consist of the letter "M", specification sheet number, and dash number.

Example of Part Number: M7928/7-2 terminal fit size 22-18 wire with 0.190 stud size hole.

Notes:

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

Table II (Ref)

Size	Navy Cable Size
22-18	1 (1)
	1 (7)
	1 (10)
	1 - 1/2 (1)
	1 - 1/2 (7)
	1 - 1/2 (16)
	1 - 1/2 (41)
	2 (7)
16-14	2 - 1/2 (1)
	2 - 1/2 (19)
	2 - 1/2 (26)
	3 (7)
	4 (1)
	4 (19)
	4 (7)
	4 (41)

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TABLE III

Inch	mm	Inch	mm	Inch	mm
.023	0.58	.165	4.19	.320	8.13
.037	0.94	.170	4.32	.323	8.20
.052	1.32	.190	4.83	.338	8.59
.070	1.78	.192	4.88	.375	9.53
.081	2.06	.193	4.90	.380	9.65
.086	2.18	.198	5.03	.385	9.78
.090	2.29	.200	5.08	.400	10.16
.098	2.49	.203	5.16	.450	11.43
.110	2.79	.213	5.41	.520	13.21
.112	2.82	.223	5.66	.528	13.41
.114	2.90	.230	5.84	.540	13.72
.115	2.92	.240	6.10	.560	14.22
.122	3.10	.245	6.22	.609	15.47
.138	3.51	.250	6.35	.747	18.97
.139	3.53	.255	6.48	.953	24.21
.142	3.61	.275	6.99	1.125	28.58
.152	3.86	.312	7.92		
.156	3.96	.3125	7.94		

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DOCUMENT IDENTIFIER (Number) AND TITLE MIL-I-7928// Terminal Lug, Crimp Style,
Copper, Uninsulated, Ring Tongue Type I, Class 1 for 175°C Total Conductor
Temperature.

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