MIL-S-81824/1

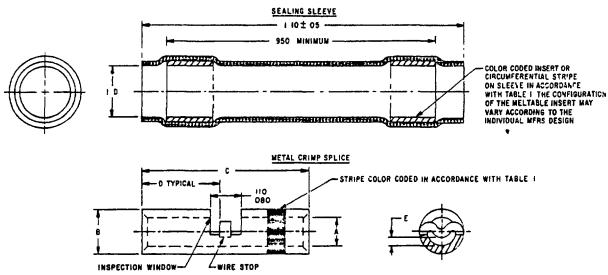
20 August 1976

MILITARY SPECIFICATION SHEET

SPLICE ELECTRIC PERMANENT CRIMP STYLE COPPER INSULATED ENVIRONMENT RESISTANT CLASS I

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 MIL-5-81824



PART NUMBER M81824/1-1 M81824/1-2 M81824/1-3		WIRE RANGE 26-24-22-20 20-18-16 16-14-12		110 070 025 063	A	A 8 .053 .080 045 .075 .070 .107 063 .100 .105 .155 095 .146	510 490 .585 565 .585 565	245 225 280 260 260 260	E MAX 015 020 050	COLOR CODE RED YELLOW		WEIGHT LBS/MPC (MAX) I 10	
					.053 045								
					070 063								
					105 095							2 75	
	INCHES	MW	INCHES	MM	INCHES	MW	INCHES	ММ	INCHES	MM	INCHES	ЖM	
	015	38	053	1 35	085	2 16	110	279	245	6 22	565	14 35	}
	020	51	063	1 60	095	2 4 1	147	3 73	260	6 60	585	14 86	İ
	025	64	970	1 78	101	2 57	155	3 9 4	280	7.11	1		1
	045	1.14	375	191	105	2 67	.70	4 32	490	12 45	ì		1
	050	l 27	080	2 03	107	2 72	225	5 72	510	12 95			1

ID G-"AS RECEIVED" b-"AFTER UNRESTRICTED RECOVERY THROUGH MELTABLE MATERIAL"

QUALIFICATION

FOR QUALIFICATION TESTING ONLY SPLICE ASSEMBLIES MADE WITH WIRE CONFORMING TO M22759 11
SHALL BE TESTED WITH THE METAL SPLICE THE SEALING AND INSULATING SLEEVE SHALL BE INSTALLED
WITH THE APPLICABLE HEAT TOOL. FOR CRIMPING TOOLS SEE TABLE II
COPPER PER WW-T-775 OR ASTMBIT-56 BOR QQ-C-576
INSULATION SLEEVE HEAT SHRINKABLE TRANSPARENT POLYVINYLIDENE FLUORIDE PER THE
PERFORMANCE REQUIREMENTS OF MIL-1-23053 8
SEALING MATERIAL MODIFIED THERMOPLASTIC, SEE PROCUREMENT SPECIFICATION
METAL, TIN-PLATED SEE PROCUREMENT SPECIFICATION

MATERIAL

FINISH METAL, TIN-PLATED SEE PROCUREMENT SPECIFICATION
DIMENSIONS ARE IN INCHES
METRIC EQUIVALENTS (TO THE NEAREST 01 MM) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25 4 MM
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE 005 (13 MM) FOR THREE PLACE DECIMALS AND 01 (25 MM) FOR TWO PLACE DECIMALS
THE AVERAGE OF DIAMETER "A" AND "B" MUST BE WITHIN SPECIFICATION LIMITS
"B" DIAMETER SHALL NOT INCLUDE COLOR STRIPE
CONTOUR MAY VARY FROM THAT SHOWN
NO ETCHING OR SOLVENT TREATING OF THE ASSOCIATED WIRE INSULATION SHALL BE PERMITTED

FSC 5940

MIL-S-81824/1

	TABLE IL CRIMP TOOLS	
SPLICE PART NO	BASIC CRIMP TOOL NO	DIE NO
M81824 1-1 M81824 1-2	M22520 5-01 OR M22520 10-01	M22520 5 103 OR M22520 10-104
MB1824, 1-3	M22520 5-01 OR M22520 10-01	M22520 5-102 OR M22520 10-103

Custodians Navy - AS Army - EL Air Force - 85

Review activities Navy Army - AV Air Force - 11, 80 DSA-GS

User activities Navy - MC, EC Army - M U Air Force Preparing Activity Navy - AS (Project No. 5940-0772)

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STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

OMB Approval No 22-R255

INSTRUCTIONS: The purpose of this form is to solicit beneficial comments which will help achieve procurement of suitable products at reasonable cost and minimum delay, or will otherwise enhance use of the document. DoD contractors, government activities, or manufacturers/vendors who are prospective suppliers of the product are invited to submit comments to the government. Fold on lines on reverse side, staple in comer, and send to preparing activity. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements. Attach any pertinent data which may be of use in improving this document. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity.

			·			
MIL-S-81824/1	SPLICE,	ELECTRIC,	PERMANENT,	CRIMP	STYLE TANT.	
NAME OF ORGANIZATION AND ADDRESS	\$	CONTRACT NUM	BER	CLASS		
	MATERIAL PROCURED UNDER A					
		DIRECT GOV	ERNMENT CONTRA	T 🗀 \$UB	CONTRACT	
1 HAS ANY PART OF THE DOCUMENT	CREATED PROE	LEMS OR REQUIRE	ED INTERPRETATIO	N IN PROCUE	REMENT	
A GIVE PARAGRAPH NUMBER AND	WORDING					
B RECOMMENDATIONS FOR CORRE	CTING THE DEF	TCIENCIES				
	•			Consultary	3.	
2 COMMENTS ON ANY DOCUMENT REQ	UIREMENT CONS	SIDERED TOO RIGI	ם			
		 				
3. IS THE DOCUMENT RESTRICTIVE						
YES NO (Il "Yes", in	what way?)					
4 REMARKS						
SUBMITTED BY (Printed or typed name and	d address - Option	nal)	TELEPHONE NO			
			DATE			

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REPLACES EDITION OF 1 JAN 66 WHICH MAY BE USED

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