

**REV.
A**

RATIONALE

AS7928/5A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

AS7928/5

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE SPLICE DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF SPECIFICATION AS7928. AS7928/5 IS NOT FOR U.S. NAVY USE. FOR U.S. NAVY USE, USE AS81824 SPLICE.

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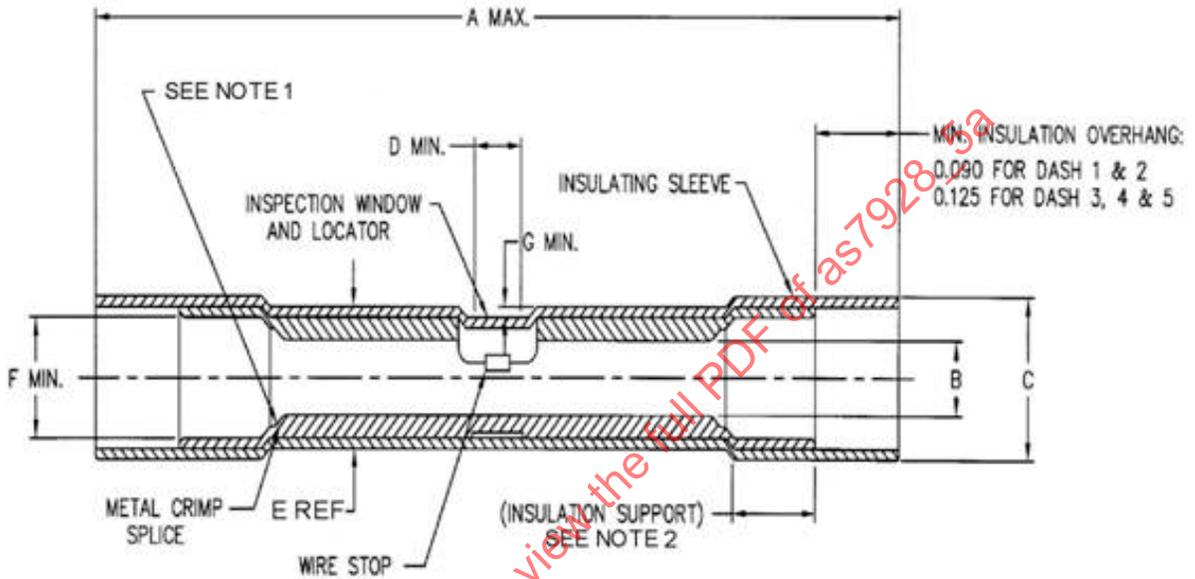
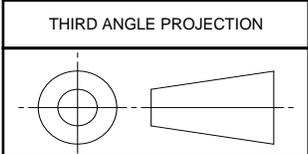


FIGURE 1 - SPLICE CONSTRUCTION

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CUSTODIAN: AE-8/AE-8C2

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

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

AS7928/5
SHEET 1 OF 3

**REV.
A**

ISSUED 1999-04 REVISED 2008-06 REAFFIRMED 2013-07

NOTES:

1. 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.
2. MINIMUM INSULATION SUPPORT: .060 FOR DASH 1 AND 2 AND .094 FOR DASH 3, 4, 5.

TABLE 1 - DIMENSIONS

DASH NO.	WIRE RANGE	A MAX.	B	C	D MIN.	E REF	F MIN.	G MIN.	INSULATING SLEEVE TRANSPARENT COLOR
-1	26-24	0.890	0.033/0.027	0.160/ 0.125	0.060	0.150/ 0.125	0.070	0.025	YELLOW
-2	24-20	1.035	0.055/0.043	0.170/ 0.135	0.060	0.165/ 0.135	0.100	0.030	CLEAR
-3	22-18	1.300	0.073/0.052	0.220/ 0.160	0.080	0.210/ 0.160	0.110	0.050	RED
-4	16-14	1.300	0.095/0.081	0.260/ 0.180	0.080	0.250/ 0.180	0.140	0.050	BLUE
-5	12-10	1.700	0.139/0.129	0.320/ 0.250	0.110	0.300/ 0.250	0.200	0.050	YELLOW

REQUIREMENTS:

1. DIMENSIONS: DIMENSIONS ARE IN INCHES (SEE TABLE 1). DIMENSION B TO BE DETERMINED AS THE AVERAGE OF TWO DIAMETERS MEASURED AT RIGHT ANGLES.
2. BASE MATERIAL: COPPER (SEE AS7928 FOR MATERIAL DETAILS) OR COPPER ALLOY. MATERIAL SHALL HAVE ADEQUATE ELECTRICAL CONDUCTIVITY AND SHALL BE SUFFICIENTLY STRONG TO RESIST CRACKING AFTER FORMING AND CRIMPING.
3. INSULATING SLEEVE MATERIAL: SEE AS7928 FOR MATERIAL DETAILS.
4. FINISH: TIN PLATED (SEE AS7928 FOR MATERIAL DETAILS).
5. INSPECTION WINDOW/LOCATOR: THE INSPECTION WINDOW AND LOCATOR SHALL PROVIDE A POSITIVE MEANS OF POSITIONING SPLICE IN THE APPLICABLE CRIMPING TOOL.
6. CRIMPING TOOLS: CRIMPING TOOLS SHALL BE AS SPECIFIED TABLE 2.

TABLE 2 - SPLICE CRIMPING TOOLS

PART NUMBER	CRIMP TOOL AND 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

7. QUALIFICATION: FOR QUALIFICATION TESTING THE TERMINALS SHALL BE TESTED WITH AS5086, AS22759/1, AS22759/9, AS22759/11, MIL-W-81044/7, MIL-W-81044/9, OR MIL-W-81381/7 FOR WIRE SIZES 26 THROUGH 10.
8. PART NUMBER: CONSIST OF THE LETTER "M", THE BASIC NUMBER OF THIS SPECIFICATION SHEET, AND A DASH NUMBER TAKEN FROM TABLE 1.

EXAMPLE: M7928/5-1 SPLICE FOR 26-24 WIRE RANGE

	AEROSPACE STANDARD	AS7928/5 SHEET 2 OF 3	REV. A
	<small>(R) TERMINALS, LUG AND SPLICES, CONDUCTOR, CRIMP STYLE, SPLICE, ELECTRIC (PERMANENT, TYPE II, CLASS 1) FOR 105 °C TOTAL CONDUCTOR TEMPERATURE</small>		