

REV.  
C

AS7928™/5

RATIONALE

REVISION REQUIRED TO CLARIFY CRIMP TOOLS IN TABLE 2, AND MAKE MINOR TECHNICAL OR EDITORIAL CHANGES AS NEEDED.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS7928.

FOR U.S. NAVY AND AIR FORCE DEPARTMENTS, AS7928/5 SHALL NOT BE USED (REFER TO AS81824).

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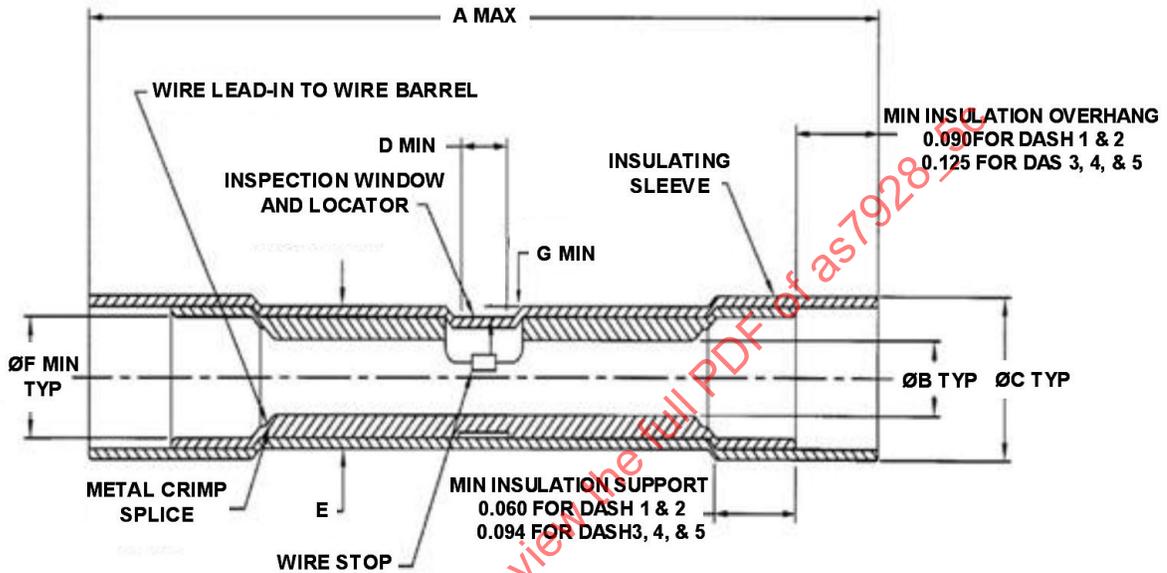
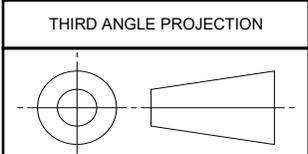


FIGURE 1 - SPLICE CONSTRUCTION

TABLE 1 - DIMENSIONS

DASH NO.	WIRE RANGE	A MAX	B	C	D MIN	E	F MIN	G MIN	INSULATING SLEEVE TRANSPARENT COLOR
-1	26-24	.890 (22.6)	.033/.027 (0.84/0.69)	.160/.125 (4.07/3.18)	.060 (1.52)	.150/.125 (3.81/3.18)	.070 (1.78)	.025 (0.64)	YELLOW
-2	24-20	1.035 (26.29)	.055/.043 (1.40/1.09)	.170/.135 (4.32/3.43)	.060 (1.52)	.165/.135 (4.19/3.43)	.100 (25.4)	.030 (0.76)	CLEAR
-3	22-18	1.300 (33.02)	.073/.052 (1.85/1.32)	.220/.160 (5.59/4.07)	.080 (2.03)	.210/.160 (5.33/4.07)	.110 (2.79)	.050 (1.27)	RED
-4	16-14	1.300 (33.02)	.095/.081 (2.41/2.06)	.260/.180 (4.07/4.57)	.080 (2.03)	.250/.180 (6.25/4.57)	.140 (3.56)	.050 (1.27)	BLUE
-5	12-10	1.700 (43.18)	.139/.129 (3.53/3.28)	.320/.250 (8.13/6.25)	.110 (2.79)	.300/.250 (7.62/6.25)	.200 (5.08)	.050 (1.27)	YELLOW

For more information on this standard, visit  
<https://www.sae.org/standards/content/AS7928/5C>



CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: AS7928



**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. C**

ISSUED 1999-04 REAFFIRMED 2013-07 REVISED 2021-03

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS7928.

1. CONFIGURATION:

DIMENSIONS ARE IN INCHES (SEE TABLE 1). METRIC UNITS SHOWN IN PARENTHESES ARE BASED 25.4 MM PER INCH. IN THE EVENT OF A CONFLICT, ENGLISH UNITS TAKE PRECEDENCE.

DIMENSION B IS DETERMINED AS THE AVERAGE OF TWO DIAMETERS MEASURED AT RIGHT ANGLES.

CONTOUR MAY VARY FROM THAT SHOWN, WITHIN SPECIFIED DIMENSIONS, BUT WIRE LEAD-IN TO WIRE BARREL SHALL BE PROVIDED.

INSULATION SUPPORT AND METAL CRIMP SPLICE MAY BE MULTIPLE PIECE CONSTRUCTION.

THE INSPECTION WINDOW AND LOCATOR SHALL PROVIDE A POSITIVE MEANS OF POSITIONING SPLICE IN THE APPLICABLE CRIMPING TOOL.

2. MATERIALS:

METAL CRIMP SPLICE AND INSULATION SUPPORT DEVICE SHALL BE A COPPER OR COPPER ALLOY MATERIAL, SHALL HAVE ADEQUATE ELECTRICAL CONDUCTIVITY, AND SHALL BE SUFFICIENTLY STRONG TO RESIST CRACKING AFTER FORMING AND CRIMPING (REFER TO AS7928).

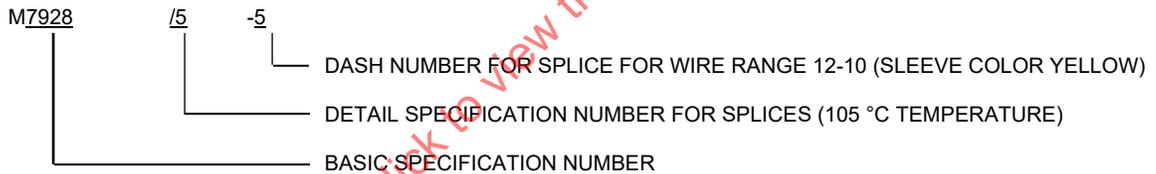
INSULATING SLEEVE MATERIAL SHALL BE AS SPECIFIED IN AS7928.

FINISH SHALL BE TIN PLATED AS SPECIFIED IN AS7928 (SEE APPLICATION NOTE).

3. IDENTIFICATION OF PRODUCT:

IDENTIFICATION OF PRODUCT SHALL BE IN ACCORDANCE WITH AS7928. MANUFACTURER TRADEMARK OR SYMBOL SHALL BE LISTED IN AIR1351.

PART NUMBER:



4. CRIMPING TOOLS:

CRIMPING TOOLS SHALL BE AS SPECIFIED TABLE 2.

**TABLE 2 - SPLICE CRIMPING TOOLS**

PART NUMBER	WIRE RANGE	CRIMP TOOL	TOOL DIE	DIE COLOR DESIGNATION
M7928/5-1	26-24	M22520/5-01	M22520/5-100	WHITE
			M22520/5-101	
M7928/5-2	24-20	M22520/10-01	M22520/10-101	
			M22520/5-100	
			M22520/5-101	
M7928/5-3	22-18	M22520/5-01	M22520/10-101	
			M22520/5-100	
			M22520/5-101 (WIRE SIZE 22-20 ONLY)	
M7928/5-4	16-14	M22520/5-01	M22520/5-106	RED
			M22520/10-101	WHITE
			M22520/5-100	BLUE
M7928/5-5	12-10	M22520/10-01	M22520/5-107	WHITE
			M22520/5-100	YELLOW
			M22520/5-108	
		M22520/10	M22520/10-100	
		M22520/41-01 FIX DIE TOOL	N/A	N/A