

**REV.  
B**

**RATIONALE**

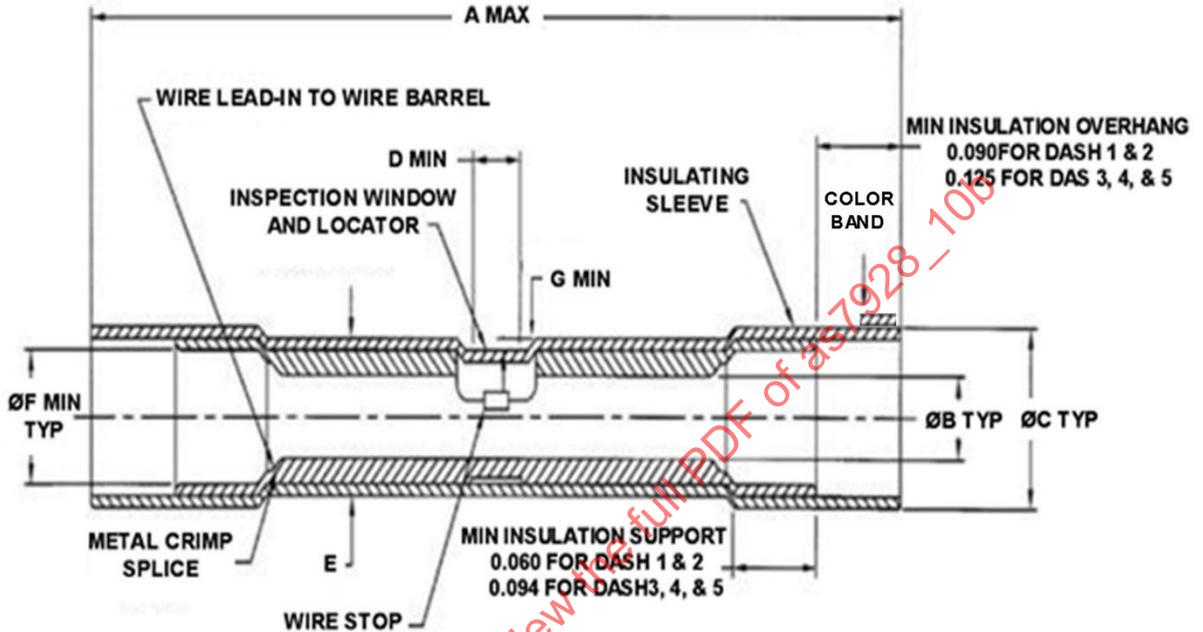
REVISION REQUIRED TO TIN WHISKER RESISTENT IDENTIFICATION RING TO FIGURE 1, CLARIFY CRIMP TOOLS IN TABLE 2, AND MAKE MINOR TECHNICAL OR EDITORIAL CHANGES AS NEEDED.

**AS7928™/10**

**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, AS7928/10 SHALL NOT BE USED (REFER TO AS81824).

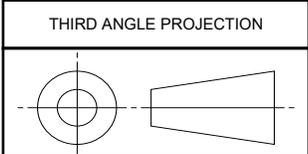
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**FIGURE 1. SPLICE CONSTRUCTION**

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CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: AS7928



**AEROSPACE STANDARD**

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

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SHEET 1 OF 3

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ISSUED 2007-09 REAFFIRMED 2012-08 REVISED 2021-02

**TABLE 1 - DIMENSION**

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

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 TO BE 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.

THE COLOR BLUE BAND SHALL BE LOCATED CIRCUMFERENTIALLY ON THE SPLICE WIRE SLEEVE NEAR THE END AS SHOWN IN FIGURE 1. THE BAND SHALL BE A MINIMUM 0.06 INCHES WIDE AND SHALL WRAP AROUND THE SLEEVE A MINIMUM OF 150°.

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 SPECIFIED IN AS7928.

TIN PLATED FINISH SHALL BE ASTM B545 TIN MATERIAL ALLOYED WITH 3% BY WEIGHT MINIMUM LEAD. PLATING THICKNESS SHALL BE .0002 INCH MINIMUM (REFER TO AS7928 AND GEIA-STD-0005-2 FOR MORE DETAILS).

3. IDENTIFICATION OF PRODUCT:

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

PART NUMBER:

