REV D

AS7928TM/5

invites your written comments and suggestions

or cancelled.

stabilized,

reaffirmed,

entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user' SAE reviews each technical report at least every five years at which time it may be revised,

Rules provide that: "

SAE Executive Standards Committee

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RATIONALE

LIMITED SCOPE REQUIRED TO CORRECT SPLICE CRIMP TOOLS IN TABLE 2.

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).

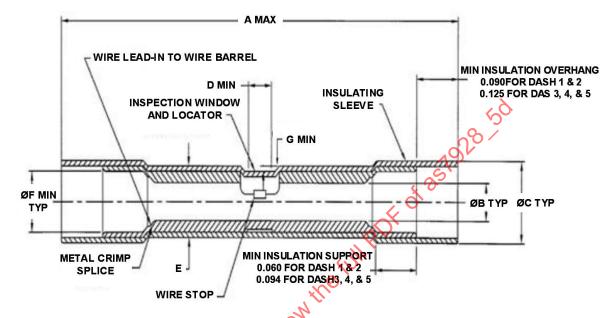


FIGURE 1 - SPLICE CONSTRUCTION

TABLE 1 - DIMENSIONS

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

For more information on this standard, visit

https://www.sae.org/standards/content/AS7928/5D

THIRD ANGLE PROJECTION

CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: AS7928



AEROSPACE STANDARD

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. D

REVISED 2022-10

REAFFIRMED 2013-07

1999-04

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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 ON 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.

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	M22520/5-101		
1017 92073-1	20-24	M22520/10-01	M22520/10-102		
M7928/5-2	24-20	M22520/5-01	M22520/5-101		
IVI / 920/3-2	24-20	M22520/10-01	M22520/10-102	WHITE	
7	×		M22520/5-100		
5	•	M22520/5-01	M22520/5-101		
M7928/5-3	22-18		(WIRE SIZE 22-20 ONLY)		
			M22520/5-106	RED	
		M22520/10-01	M22520/10-101	WHITE	
		M22520/5-01	M22520/5-100	VVIIIE	
M7928/5-4	16-14	IVI22320/3-0 I	M22520/5-107	BLUE	
		M22520/10-01	M22520/10-101	WHITE	
	12-10	M22520/5-01	M22520/5-100		
M7928/5-5		IVI22320/3-0 I	M22520/5-108	YELLOW	
IVI / 920/3-3	12-10	M22520/10	M22520/10-100		
		M22520/41-01 FIX DIE TOOL	N/A	N/A	

	AEROSPACE STANDARD		
INTERNATIONAL»	TERMINALS, LUG AND SPLICES, CONDUCTOR, CRIMP STYLE, SPLICE, ELECTRIC (PERMANENT, TYPE II, CLASS 1) FOR 105°C TOTAL CONDUCTOR TEMPERATURE	AS7928™/5 SHEET 2 OF 3	REV. D