

REV.
C

AS7928™/4

RATIONALE

REVISION REQUIRED TO ADD NEW CRIMPING TOOLS, REMOVE UNSPECIFIED NICKEL FINISH, AND MAKE MINOR TECHNICAL AND EDITORIAL CHANGES.

NOTICE

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

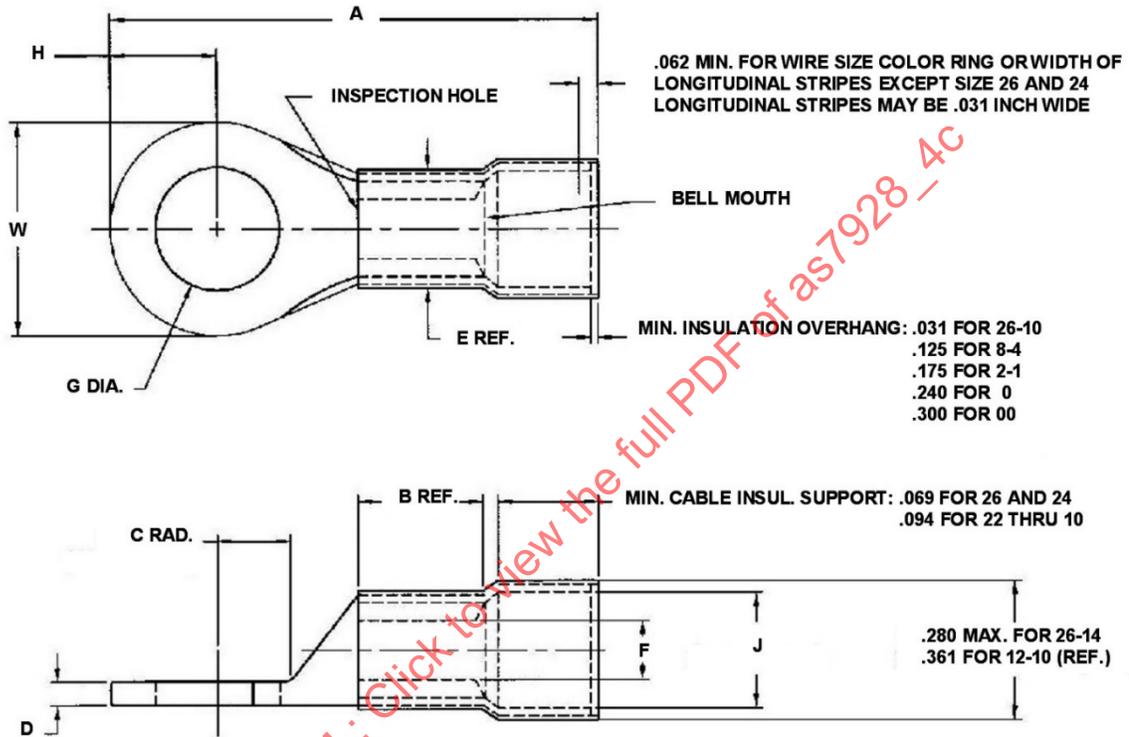
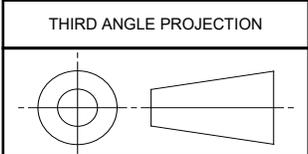


FIGURE 1 - AS7928/4 TERMINAL

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For more information on this standard, visit
<https://www.sae.org/standards/content/AS7928/4C>



CUSTODIAN: AE-8/AE8-C2

PROCUREMENT SPECIFICATION: AS7928



AEROSPACE STANDARD

(R) TERMINALS, LUG AND SPLICES, CONDUCTOR, CRIMP STYLE, COPPER TERMINAL, LUG, INSULATED, RING TONGUE, BELL-MOUTHED, TYPE II, CLASS 1 (FOR 150 °C TOTAL CONDUCTOR TEMPERATURE)

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ISSUED 1999-04 REVISED 2015-12 REAFFIRMED 2020-11

TABLE 1 - DASH NUMBERS AND CHARACTERISTICS

DASH NO.	TERMINAL SIZE	STUD SIZE	A MAX	B REF	C MIN RAD	D		E DIA REF	F DIA	G DIA		J MIN DIA	W & H 1/		COLOR OF CIRCULAR RING OR LONGITUDINAL STRIPES
						MAX	MIN			MAX	MIN		MAX	MIN	
143	26 - 24	2 (.086)	.740	.126	.133	.028	.022	.215 .190	.033 .027	.098	.090	.084	.210	.133	YELLOW
144		4 (.112)	.755		.171					.122	.114		.193		
145		6 (.138)	.855		.202					.152	.142		.245		
146		8 (.164)			.178					.168	.330		.245		
147		10 (.190)			.227					.203				.193	
159	22 - 18	2 (.086)	.755	.156	.115	.035	.027	.215 .190	.073 .052	.098	.090	.120	.193	RED	
148		4 (.112)			.122					.114	.230		.193		
101		6 (.138)			.125					.260	.152		.142		.245
102		6 (.138)			.202						.178		.168		.320
149		8 (.164)			.910					.234	.203		.193		.473
103		10 (.190)	1.090		.265					.275	.260		.540		
150		1/4 (.250)			.296					.338	.323				.720
104		5/16 (.312)			1.320					.328	.400		.385		
105		3/8 (.375)	1.320		.453					.525	.510				
151		1/2 (.500)	1.320		.453					.525	.510				
152	16 - 14	4 (.112)	.774	.156	.125	.035	.029	.240 .210	.095 .081	.122	.114	.153	.260	.240	BLUE
106		6 (.138)			.202					.152	.147		.317	.302	
107		6 (.138)			.910					.178	.168				
153		8 (.164)	.915		.234					.203	.193		.473	.430	
108		10 (.190)			.265					.275	.260				
154		1/4 (.250)			1.085					.296	.338		.323	.540	
109		5/16 (.312)	1.225		.328					.400	.385				
110		3/8 (.375)	1.225		.453					.525	.510				
155		1/2 (.500)	1.320		.453					.525	.510				
111	12 - 10	6 (.138)	1.120	.234	.202	.043	.037	.300 .275	.139 .129	.152	.142	.210	.380	.365	YELLOW
156		8 (.164)			.234					.178	.168		.536	.516	
112		10 (.190)			.265					.203	.193				
157		1/4 (.250)	1.322		.296					.338	.323		.598	.573	
113		5/16 (.312)	1.414		.328					.400	.385				
114		3/8 (.375)	1.414		.453					.525	.510				
158		1/2 (.500)	1.414		.453					.525	.510				
115	8	10 (.190)	1.402	.315	.234	.084	.038	.350 .300	.186 .176	.203	.193	.257	.429	.386	RED
116		1/4 (.250)	1.446		.265					.275	.260		.590	.547	
117		5/16 (.312)	1.544		.296					.338	.323				
118		3/8 (.375)			.328					.400	.385				
119	6	10 (.190)	1.599	.375	.238	.084	.043	.419 .360	.232 .222	.203	.193	.300	.503	.460	BLUE
120		1/4 (.250)			.265					.275	.260				
121		5/16 (.312)	1.762		.305					.338	.323		.623	.580	
122		3/8 (.375)			.328					.400	.385				

TABLE 1 - DASH NUMBERS AND CHARACTERISTICS (CONTINUED)

DASH NO.	TERMINAL SIZE	STUD SIZE	A MAX	B REF	C MIN RAD	D		E DIA REF	F DIA	G DIA		J MIN DIA	W & H 1/		COLOR OF CIRCULAR RING OR LONGITUDINAL STRIPES
						MAX	MIN			MAX	MIN		MAX	MIN	
123	4	1/4 (.250)	1.812	.437	.276	.096	.047	.500 .425	.290 .280	.275	.260	.370	.570	.480	YELLOW
124		5/16 (.312)	1.879		.308					.338	.323		.648	.605	
125		3/8 (.375)			.328					.400	.385				
126	2	1/4 (.250)	2.069	.505	.343	.109	.560 .510	.365 .355	.275	.260	.453	.711	.665	RED	
127		3/8 (.375)							.400	.385		.804	.740		
128		1/2 (.500)							2.269	.453		.525	.510		
129	1	1/4 (.250)	2.150	.565	.383	.125	.620 .560	.398 .388	.275	.260	.500	.793	.740	WHITE	
130		3/8 (.375)							.400	.385		.987			
131		1/2 (.500)							2.370	.453		.525	.510		
132	0	1/4 (.250)	2.401	.630	.418	.125	.685 .625	.458 .438	.275	.260	.550	.853	.810	BLUE	
133		3/8 (.375)							.400	.385		.903	.860		
134		1/2 (.500)							2.525	.453		.525	.510		
135	00	5/16 (.312)	2.750	.700	.473	.129	.755 .685	.520 .500	.338	.323	.610	.956	.913	YELLOW	
136		3/8 (.375)							.400	.385					
137		1/2 (.500)							.525	.510					

1/ H MAX AND MIN DIMENSIONS SHALL BE ONE-HALF OF THE W MAX AND MIN DIMENSIONS, RESPECTIVELY.

REQUIREMENTS:

1. DESIGN AND CONFIGURATION (SEE FIGURE 1 AND TABLE 1):

DIMENSIONS ARE IN INCHES. MAX AND MIN DIMENSIONS DUE TO OVALIZATION MUST BE WITHIN 3% OF SPECIFICATION REQUIREMENTS. CONTOUR INDICATED BY PHANTOM LINES MAY VARY FROM THAT SHOWN TO SUIT INDIVIDUAL MANUFACTURER'S DESIGN.

INSULATION SUPPORT AND TERMINAL BARREL MAY BE MULTIPLE PIECE CONSTRUCTION.

REMOVE ALL BURRS AND SHARP EDGES.

THE "C" MIN DIMENSION IS MIN WASHER CLEARANCE RADIUS.

2. MATERIAL:

INSULATION SLEEVE SHALL BE IN ACCORDANCE WITH AS7928. SLEEVE COLOR SHALL BE CLEAR (UNCOLORED).

FINISH SHALL BE TIN-PLATED IN ACCORDANCE WITH ASTM B545, CLASS 1 WITH A THICKNESS OR GRADE SUFFICIENT TO MEET THE PERFORMANCE REQUIREMENTS OF AS7928.

3. IDENTIFICATION OF PRODUCT MARKING:

MANUFACTURER IDENTIFICATION AND PART NUMBER MARKING SHALL BE AS SPECIFIED IN AS7928.

COLOR RINGS OR LONGITUDINAL STRIPES SHALL BE LOCATED AS SHOWN IN FIGURE 1. COLOR OF CIRCULAR RING OR LONGITUDINAL STRIPES SHALL BE AS SPECIFIED IN TABLE 1 AND SHALL BE IN ACCORDANCE WITH EIA STANDARD RS359.

COLOR RINGS MUST COVER A MINIMUM OF 315° OF THE CIRCUMFERENCE.

LONGITUDINAL STRIPES SHALL BE 2 OR MORE AND EQUALLY SPACED ON THE INSULATION PORTION OF THE TERMINAL. THE STRIPES MUST EXTEND TO WITHIN 1/16 INCHES OF THE ENDS OF THE INSULATION AND MUST NOT OBLITERATE THE BASIC SLEEVE COLOR.

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