

REV.
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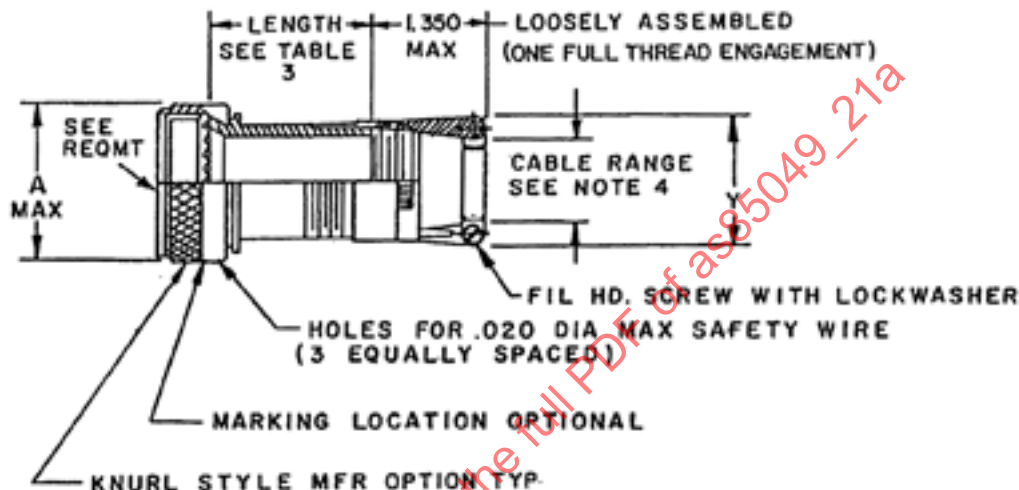
AS85049/21

FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISED TO INCLUDE COMMENTS RECEIVED BY THE GOVERNMENT AND INDUSTRY USERS. UPDATED ALL REFERENCE SPECIFICATIONS. REMOVED GOVERNMENT JARGON AS A RESULT OF THE WORD-FOR-WORD CONVERSION.

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF: SAE AS85049.

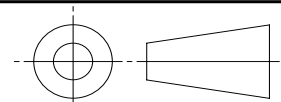


NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only and are based upon 1.00 inch = 25.4 mm.
3. Metric equivalents are in parentheses.
4. See Table 1 for minimum and maximum clamp size available with each shell size. See Table 2 for cable range for each clamp size.

FIGURE 1 - CONFIGURATION AND DIMENSIONS

THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C1

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL,
NONENVIRONMENTAL, STRAIGHT, CATEGORY 3B
(FOR MIL-DTL-38999 SERIES III AND IV CONNECTORS)

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TABLE 1 - CONNECTOR SHELL SIZE AND CLAMP SIZE

Shell size	Min clamp size	Max clamp size	A Max Dia of coupling ring
9	01	02	.75 (19.1)
11	01	03	.85 (21.6)
13	02	04	1.00 (25.4)
15	02	05	1.10 (27.9)
17	02	06	1.25 (31.8)
19	03	07	1.40 (35.6)
21	03	08	1.50 (38.1)
23	03	09	1.65 (41.9)
25	04	10	1.75 (44.5)

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TABLE 2 - CLAMP SIZE AND DIMENSIONS

CLAMP SIZE	CABLE RANGE		Y DIM MAX
	MIN	MAX	
01	.062 (1.57)	.125 (3.18)	.80 (20.3)
02	.125 (3.18)	.250 (6.35)	1.00 (25.4)
03	.250 (6.35)	.375 (9.53)	1.10 (27.9)
04	.312 (7.92)	.500 (12.70)	1.20 (30.5)
05	.437 (11.10)	.625 (15.88)	1.25 (31.8)
06	.562 (14.27)	.750 (19.05)	1.40 (35.6)
07	.687 (17.45)	.875 (22.23)	1.50 (38.1)
08	.812 (20.62)	1.000 (25.40)	1.65 (41.9)
09	.937 (23.80)	1.125 (28.58)	1.75 (44.5)
10	1.062 (26.97)	1.250 (31.75)	1.90 (48.3)

TABLE 3 - LENGTH

CODE	LENGTH IN INCHES ± 0.032 (.81)
STANDARD	1.50 (38.1)
A	2.50 (63.5)
B	3.50 (88.9)
C	4.50 (114.3)