

APPROVED 27 DEC 77 REVISED (E) 23 OCT 84

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

Review activities: Army - MI, AR
Navy - EC, MC, OS
Air Force - 11, 15, 17, 99
DLA-ES

User activities: Army -
Navy -
Air Force -

FED. SUP CLASS
5935

Shell Size	A +.001 -.005 DIA	H +.500 -.250 Std Chain Length	J +.015 -.010	L MAX	M MIN	Q MAX DIA	X BSC DEG	Y BSC DEG	LL MAX
8	.473	3.00	.222	.57	.31	.72	82°	118°	.82
10	.590					.85	72°	128°	
12	.750	1.00				68°	132°		
14	.875	1.13				66°	134°		
16	1.000	1.25				70°	130°		
18	1.125	1.38							
20	1.250	1.50							
22	1.375	4.00				1.63	74°	126°	
24	1.500					1.75			

P.A AF-85

Other Cust
ARMY - CR
NAVY - AS

International
Interest

TITLE

COVER, PROTECTIVE, ELECTRICAL
CONNECTOR PLUG, BAYONET
COUPLING, SERIES II

Ⓔ

MILITARY STANDARD

MS27510

Procurement Specification
MIL-C-38999

SUPERSEDES:

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DD FORM 672
1 MAY 73

(Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 27 DEC 77 REVISED Ⓔ FOR CHANGES SEE PAGES 1, 2 AND 3

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INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.001	.03	.31	7.9	.875	22.22	1.75	44.4
.005	.13	.473	12.01	1.00	25.4	3.00	76.2
.010	.25	.500	12.70	1.125	28.58	3.50	88.9
.015	.38	.57	14.5	1.13	28.7	4.00	101.6
.047	1.19	.59	15.0	1.25	31.8	5.00	127.0
.063	1.60	.72	18.3	1.375	34.92	6.00	152.4
.167	4.24	.75	19.0	1.38	35.1	7.00	177.8
.222	5.64	.82	20.8	1.50	38.1		
.25	6.4	.85	21.6	1.63	41.4		

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Material - Cap: Impact extruded or machined aluminum alloy.
Disk: Silicone elastomer.
Chain: Stainless steel, passivated, conforming to RR-C-271, type II, class 3.
Fastener: Stainless steel, passivated.
4. Finish - See MIL-C-38999.
5. BSC dimensions apply at maximum material condition (MMC).
6. The gage features for GG shall be .004 (0.10 mm) smaller than the MMC size at basic location.
7. For design feature purposes, this standard takes precedence over procurement documents referenced herein.
8. Referenced documents shall be of the issue in effect on date of invitation for bid.
9. Applicable connectors: MIL-C-27599 and MIL-C-38999.
10. Fastener tensile strength shall be 5 pounds.

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