AS85049/29 (M38999/6)
Straight Non-Environmental Strain Relief Backshell

CONNECTOR DESIGNATOR:	
F	MIL-DTL-38999 Series I and II

Basic Part Number	Shell Size		Clamp Size	
M85049/29	10	N	03	A

Finish
A = Black Anodize
N = Electroless Nickel
W = Cadmium, Olive Drab
X = Nickel Fluorocarbon Polymer
Y = Pure Dense Electrodeposited Aluminum
Z = Zinc Nickel

Length Code
(Omit for Standard)
Table III

TABLE III: Length Code

Code	Length ± .032 (0.8)
Standard	1.00 (25.4)
A	2.00 (50.8)
B	3.00 (76.2)
C	4.00 (101.6)

APPLICATION NOTES

1. For complete dimensions see the applicable Military Specification.
2. Metric dimensions (mm) are in parentheses.
3. Cable Range is defined as the accommodation range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.

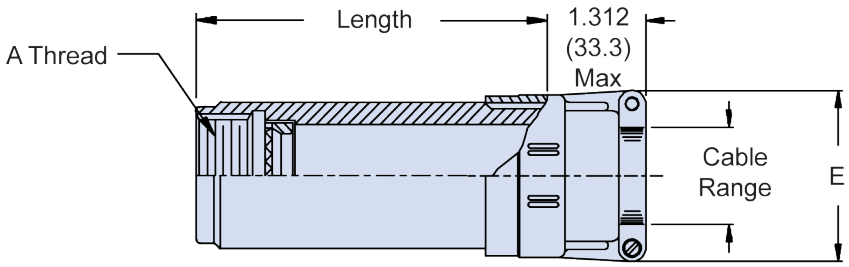

TABLE I: Shell Size and Clamp Size

Shell Size	Series I Ref.	Clamp Size* Min	Max	A Thread Class 2B
08	09	01	02	.438 - 28 UNEF
10	11	01	03	.562 - 24 UNEF
12	13	02	04	.688 - 24 UNEF
14	15	02	05	.813 - 20 UNEF
16	17	02	06	.938 - 20 UNEF
18	19	03	07	1.063 - 18 UNEF
20	21	03	08	1.188 - 18 UNEF
22	23	03	09	1.313 - 18 UNEF
24	25	04	10	1.438 - 18 UNEF

*Clamp Size from Table II, AS85049/29 Specifications.

TABLE II: Clamp Size, Cable Range and Dimensions

Clamp Size	Cable Range Min	Max	E Max
01	.062 (1.6)	.125 (3.2)	.781 (19.8)
02	.125 (3.2)	.250 (6.4)	.969 (24.6)
03	.250 (6.4)	.375 (9.5)	1.062 (27.0)
04	.312 (7.9)	.500 (12.7)	1.156 (29.4)
05	.437 (11.1)	.625 (15.9)	1.250 (31.8)
06	.562 (14.3)	.750 (19.1)	1.375 (34.9)
07	.687 (17.4)	.875 (22.2)	1.500 (38.1)
08	.812 (20.6)	1.000 (25.4)	1.625 (41.3)
09	.937 (23.8)	1.125 (28.6)	1.750 (44.5)
10	1.062 (27.0)	1.250 (31.8)	1.875 (47.6)

Dimensions in inches (millimeters) and are subject to change without notice.

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