

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



Non-Environmental
Backshells

CONNECTOR DESIGNATOR:

F	MIL-DTL-38999 Series I & II 40M38277, PAN6433-1 PATT 614, PATT 616 NFC93422 Series HE308 & HE309
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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

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

Basic
Part Number

M85049/29

Shell
Size

10

Clamp
Size

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

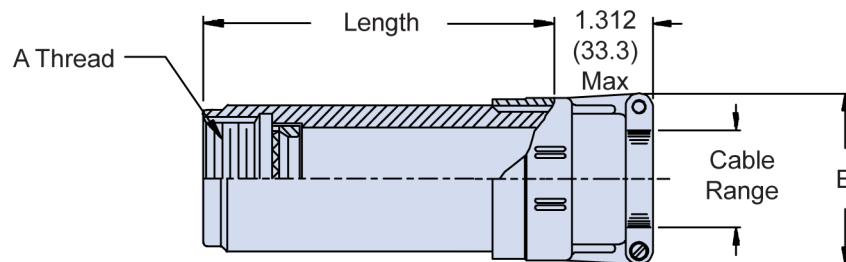


TABLE I: Shell Size and Clamp Size

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)

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