

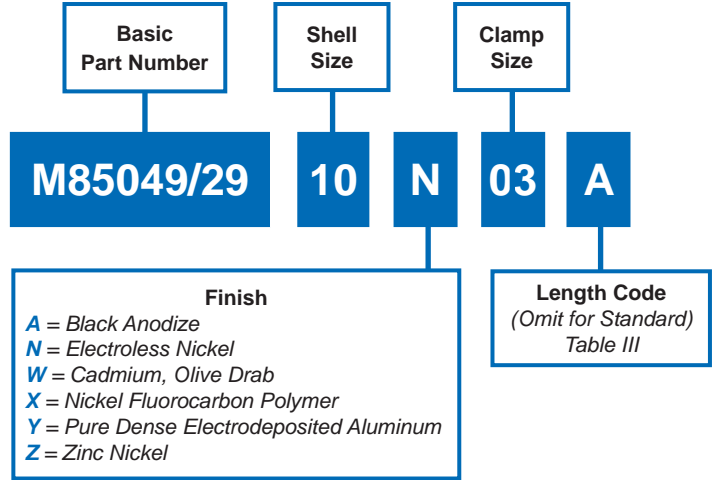
# AS85049/29 (M38999/6) Straight Non-Environmental Strain Relief Backshell



AS85049

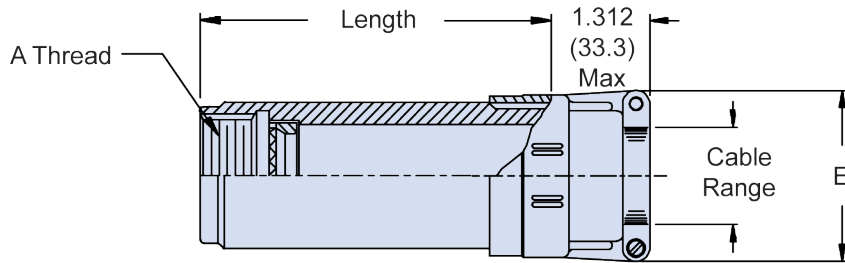
B

| CONNECTOR DESIGNATOR: |                               |
|-----------------------|-------------------------------|
| <b>F</b>              | MIL-DTL-38999 Series I and II |



| Code     | Length<br>± .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.



| Shell Size | Series I Ref. | Clamp Size* |     | A Thread Class 2B |
|------------|---------------|-------------|-----|-------------------|
|            |               | Min         | Max |                   |
| 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.

| Clamp Size | Cable Range  |              | E Max        |
|------------|--------------|--------------|--------------|
|            | Min          | 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.