

AS85049/18 Straight EMI/RFI Environmental Backshell



CONNECTOR DESIGNATOR:

H MIL-DTL-38999, Series III and IV
EN3645

Finish
N = Electroless Nickel *X* = Aluminum, Nickel Fluorocarbon Polymer
W = 1,000 Hr. Cadmium Olive Drab over Electroless Nickel *Z* = Aluminum, Zinc-Nickel, Black

M85049/18

11

N

03

A

**Basic
Part Number**

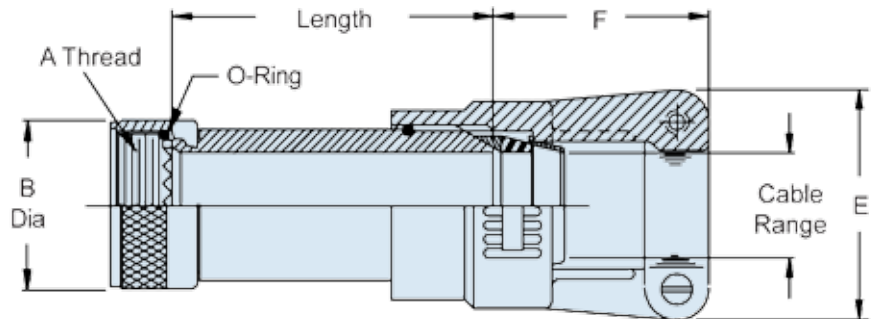
**Shell Size
(Table I)**

**Clamp Size
(Table III)**

**Length Code
(Table IV)
Omit for Standard**

**TABLE I: Shell Size,
Thread and Dimensions**

| Shell Size | A Thread Class 2B | B Dia Max |
|------------|-------------------|--------------|
| 9 | M12 X 1 - 6H | .750 (19.1) |
| 11 | M15 X 1 - 6H | .850 (21.6) |
| 13 | M18 X 1 - 6H | 1.000 (25.4) |
| 15 | M22 X 1 - 6H | 1.150 (29.2) |
| 17 | M25 X 1 - 6H | 1.250 (31.8) |
| 19 | M28 X 1 - 6H | 1.400 (35.6) |
| 21 | M31 X 1 - 6H | 1.550 (39.4) |
| 23 | M34 X 1 - 6H | 1.650 (41.9) |
| 25 | M37 X 1 - 6H | 1.850 (47.0) |



**TABLE II:
Shell Size and
Clamp Size**

| Shell Size | Clamp Size | |
|------------|------------|-----|
| | Min | Max |
| 9 | 01 | 02 |
| 11 | 01 | 03 |
| 13 | 02 | 04 |
| 15 | 02 | 05 |
| 17 | 02 | 06 |
| 19 | 03 | 07 |
| 21 | 03 | 08 |
| 23 | 03 | 09 |
| 25 | 04 | 10 |

TABLE III: Clamp Size, Cable Range and Dimensions

| Clamp Size | Cable Range | | E Max | F Max |
|------------|--------------|--------------|--------------|--------------|
| | Min | Max | | |
| 01 | .062 (1.6) | .125 (3.2) | .781 (19.8) | 1.250 (31.8) |
| 02 | .125 (3.2) | .250 (6.4) | .969 (24.6) | 1.250 (31.8) |
| 03 | .250 (6.4) | .375 (9.5) | 1.062 (27.0) | 1.250 (31.8) |
| 04 | .375 (9.5) | .500 (12.7) | 1.156 (29.4) | 1.250 (31.8) |
| 05 | .500 (12.7) | .625 (15.9) | 1.250 (31.8) | 1.312 (33.3) |
| 06 | .625 (15.9) | .750 (19.1) | 1.375 (34.9) | 1.375 (34.9) |
| 07 | .750 (19.1) | .875 (22.2) | 1.500 (38.1) | 1.500 (38.1) |
| 08 | .875 (22.2) | 1.000 (25.4) | 1.625 (41.3) | 1.625 (41.3) |
| 09 | 1.000 (25.4) | 1.125 (28.6) | 1.750 (44.5) | 1.625 (41.3) |
| 10 | 1.125 (28.6) | 1.250 (31.8) | 1.875 (47.6) | 1.625 (41.3) |

TABLE IV: Length Code

| Length Code | Available Shell Sizes | Length |
|-------------|-----------------------|---------------|
| Standard | 9 - 25 | 1.500 (38.1) |
| A | 9 - 25 | 2.500 (63.5) |
| B | 9 - 25 | 3.500 (88.9) |
| C | 9 - 25 | 4.500 (114.3) |

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.

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