AS85049/18
Straight EMI/RFI Environmental Backshell

CONNECTOR DESIGNATOR:	
H	MIL-DTL-38999, Series III and IV EN3645

Finish

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

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- **Basic Part Number**
- **Shell Size** *(Table I)*
- **Clamp Size** *(Table III)*
- **Length Code** *(Table IV)* *Omit for Standard*

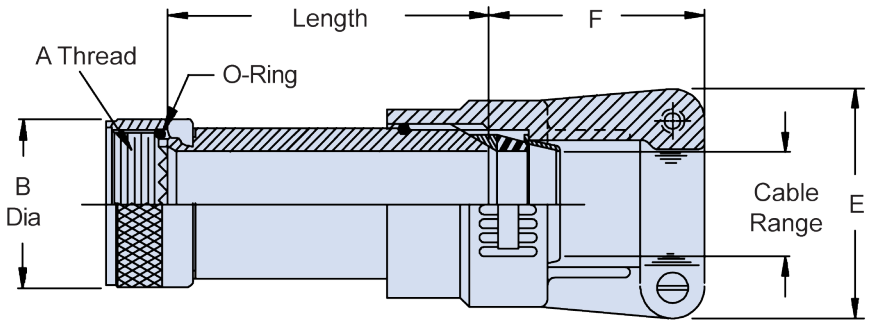

TABLE I: Shell Size, Thread and Dimensions

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 Min	Cable Range Max	E Max	F 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

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.

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

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