AS85049/17
Straight EMI/RFI Environmental Backshell

Glenair®

B

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

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

TABLE I: Shell Size, Thread and Dimensions

Dash No.	Shell Size Series I	Shell Size Series II	A Thread Class 2B	B Dia Max
08	09	08	.438 - 28 UNEF	.570 (14.5)
10	11	10	.562 - 24 UNEF	.700 (17.8)
12	13	12	.688 - 24 UNEF	.830 (21.1)
14	15	14	.813 - 20 UNEF	.950 (24.1)
16	17	16	.938 - 20 UNEF	1.080 (27.4)
18	19	18	1.063 - 18 UNEF	1.200 (30.5)
20	21	20	1.188 - 18 UNEF	1.330 (33.8)
22	23	22	1.313 - 18 UNEF	1.450 (36.8)
24	25	24	1.438 - 18 UNEF	1.580 (40.1)

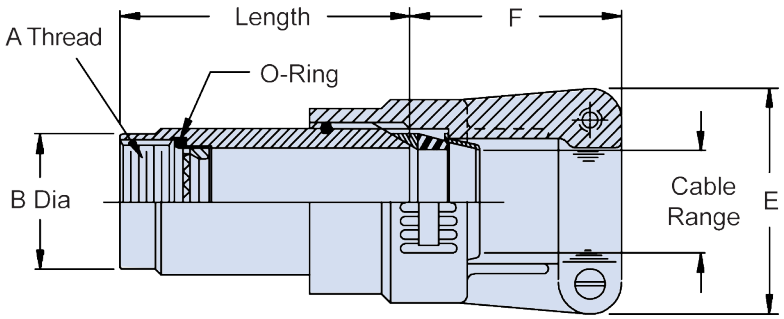

TABLE II: Shell Size and Clamp Size

Dash No.	Shell Size Series I	Shell Size Series II	Clamp Size Min	Clamp Size Max
08	09	08	01	02
10	11	10	01	03
12	13	12	02	04
14	15	14	02	05
16	17	16	02	06
18	19	18	03	07
20	21	20	03	08
22	23	22	03	09
24	25	24	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	08 - 24	1.500 (38.1)
A	08 - 24	2.500 (63.5)
B	14 - 24	3.500 (88.9)
C	20 - 24	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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