



AS85049/19

Straight EMI/RFI Non-Environmental Backshell

CONNECTOR DESIGNATOR:

H MIL-DTL-38999 Series III and IV
EN3645

Finish

N = Electroless Nickel
W = Cadmium, Olive Drab
X = Nickel Fluorocarbon Polymer
Z = Zinc Nickel

M85049/19

Basic
Part Number

11

Shell Size
(Table I)

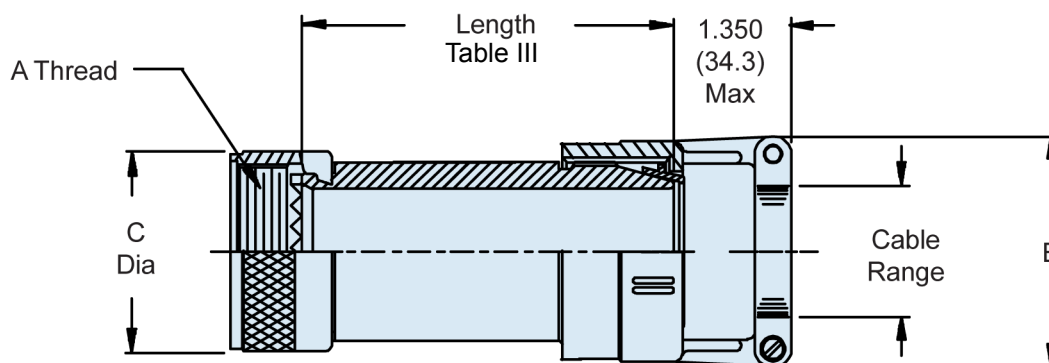
W

Clamp Size
(Table II)

03

Length
Code
(Omit for
Standard)
(Table III)

A



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.

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TABLE I: Shell Size and Clamp Size

Shell Size	Clamp Size		A Thread Class 6H	C Dia Max
	Min	Max		
9	01	02	M12 X 1 - 6H	.750 (19.1)
11	01	03	M15 X 1 - 6H	.850 (21.6)
13	02	04	M18 X 1 - 6H	1.000 (25.4)
15	02	05	M22 X 1 - 6H	1.100 (27.9)
17	02	06	M25 X 1 - 6H	1.250 (31.8)
19	03	07	M28 X 1 - 6H	1.400 (35.6)
21	03	08	M31 X 1 - 6H	1.500 (38.1)
23	03	09	M34 X 1 - 6H	1.650 (41.9)
25	04	10	M37 X 1 - 6H	1.700 (43.2)

TABLE II: Cable Range and Dimensions

Clamp Size	Cable Range				E Max
	Min	Max	Min	Max	
01	.062 (1.6)	.125 (3.2)	.125 (3.2)	.250 (6.4)	.800 (20.3)
02	.125 (3.2)	.250 (6.4)	.250 (6.4)	.375 (9.5)	1.000 (25.4)
03	.250 (6.4)	.375 (9.5)	.375 (9.5)	.500 (12.7)	1.100 (27.9)
04	.312 (7.9)	.500 (12.7)	.500 (12.7)	.625 (15.9)	1.200 (30.5)
05	.437 (11.1)	.625 (15.9)	.625 (15.9)	.750 (19.1)	1.250 (31.8)
06	.562 (14.3)	.750 (19.1)	.750 (19.1)	.875 (22.2)	1.400 (35.6)
07	.687 (17.4)	.875 (22.2)	.875 (22.2)	1.000 (25.4)	1.500 (38.1)
08	.812 (20.6)	1.000 (25.4)	1.000 (25.4)	1.125 (28.6)	1.650 (41.9)
09	.937 (23.8)	1.125 (28.6)	1.125 (28.6)	1.250 (31.8)	1.750 (44.5)
10	1.062 (27.0)	1.250 (31.8)	1.250 (31.8)	1.500 (38.1)	1.900 (48.3)

TABLE III: Length Code

Length Code	Available Shell Sizes	Length
Std.	9 - 25	1.500 (38.1)
A	9 - 25	2.500 (63.5)
B	15 - 25	3.500 (88.9)
C	21 - 25	4.500 (114.3)