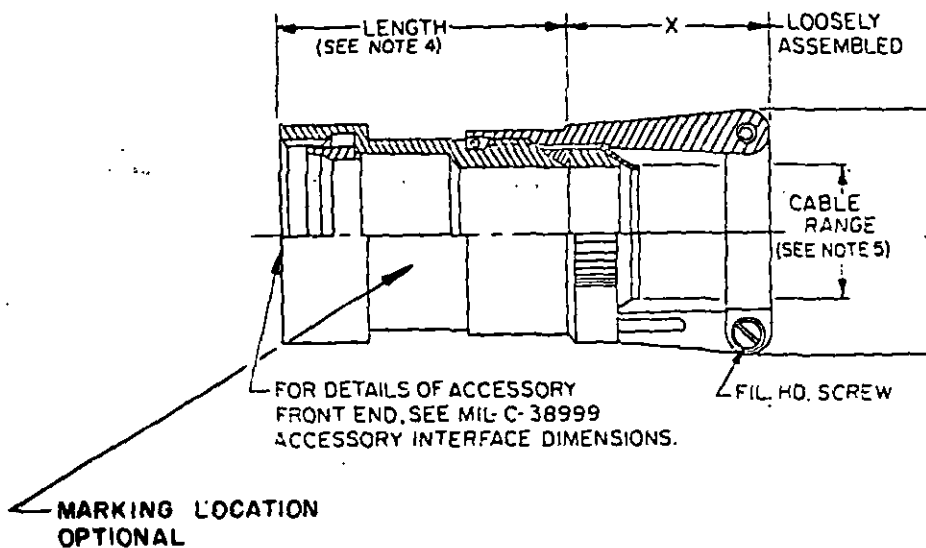


MILITARY SPECIFICATION SHEET

CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL, ENVIRONMENTAL,
STRAIGHT, SHIELD TERMINATION, CATEGORY 2B
(FOR MIL-C-27599 SERIES I AND MIL-C-38999 SERIES I AND II CONNECTORS)

This specification is approved for use by all Departments
and Agencies of the Department of Defense.

The complete requirements for procuring the accessories described herein shall
consist of this document and the latest issue of Specification MIL-C-85049.



NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only and are based upon 1.00 inch = 25.4 mm.
3. Metric equivalents are in parentheses.
4. Standard minimum length is 1.5 inch $\pm$.032 (38. mm $\pm$.81 mm). See table III for longer lengths.
5. See table I for min. and max. clamp size available with each accessory shell size. See table II for cable range for each clamp size.

FIGURE 1. Configurations and dimensions.

FSC 5935

TABLE I. Accessory shell size, connector shell size and clamp size.

Accessory shell size	Connector shell size		Min clamp size	Max clamp size
	Series II	Series I		
08 - - - - -	8	9	01	02
10 - - - - -	10	11	01	03
12 - - - - -	12	13	02	04
14 - - - - -	14	15	02	05
16 - - - - -	16	17	02	06
18 - - - - -	18	19	03	07
20 - - - - -	20	21	03	08
22 - - - - -	22	23	03	09
24 - - - - -	24	25	04	10

TABLE II. Clamp size and dimensions.

Clamp size	Cable range		Y dim Max	X Max
	Min	Max		
01	.062 (1.57)	.125 (3.18)	.781 (19.84)	1.250 (31.75)
02	.125 (3.18)	.250 (6.35)	.969 (24.61)	
03	.250 (6.35)	.375 (9.53)	1.062 (26.97)	
04	.375 (9.53)	.500 (12.70)	1.156 (29.36)	
05	.500 (12.70)	.625 (15.88)	1.250 (31.75)	1.312 (33.32)
06	.625 (15.88)	.750 (19.05)	1.375 (34.93)	1.375 (34.93)
07	.750 (19.05)	.875 (22.23)	1.500 (38.10)	1.500 (38.10)
08	.875 (22.23)	1.000 (25.40)	1.625 (41.28)	1.625 (41.28)
09	1.000 (25.40)	1.125 (28.58)	1.750 (44.45)	
10	1.125 (28.58)	1.250 (31.75)	1.875 (47.63)	

FIGURE 1. Configurations and dimensions - Continued.

REQUIREMENTS:

Design and construction:

Dimensions and configuration: See figure 1; interface dimensions shall conform to MIL-C-38999.

Length: See table III.

Material: Accessory components - aluminum alloy in accordance with MIL-C-85049.

Grommet and O-Ring - silicone rubber.

Clamp assembly screws - 300 series stainless steel.

Finish: 1/ N, W

Part number: See example below:

Military designator MB5049/17 24 W 10 A
 Specification sheet number _____
 Accessory shell size (see table I) _____
 Finish _____
 Clamp size (see table I and II) _____
 Length (in inches) (see table III) _____
 Omit for standard.
 Simplified assembly instructions shall be packaged with each accessory.

TABLE III. Length

Accessory Shell size	Code	Length in inches ±.032
8 thru 24	Standard	1.5
8 thru 24	A	2.5
14 thru 24	B	3.5
20 thru 24	C	4.5

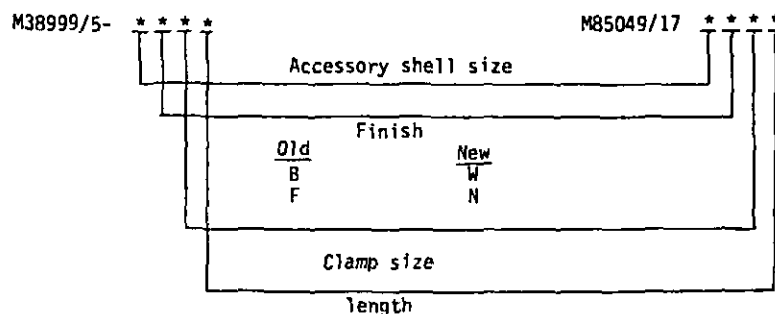
Qualification:

See MIL-C-85049, category 2B.

Backshell shall be tested with MIL-C-38999 series I connectors.

QPL evaluating activity: Defense Electronics Supply Center, (DESC-E), Dayton, OH 45444.

Supersession data:



1/ N Not for Navy use