

METRIC

MIL-DTL-83538/10B
2 June 2008
SUPERSEDING
MIL-DTL-83538/10A
24 December 1998

DETAIL SPECIFICATION SHEET

CONNECTORS AND ACCESSORIES, ELECTRICAL, CIRCULAR, UMBILICAL,
BUSHING, CABLE, LAUNCHER RECEPTACLE FOR MIL-STD-1760 APPLICATIONS (METRIC)

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

The requirements for acquiring the product described herein
shall consist of this specification sheet and MIL-DTL-83538.

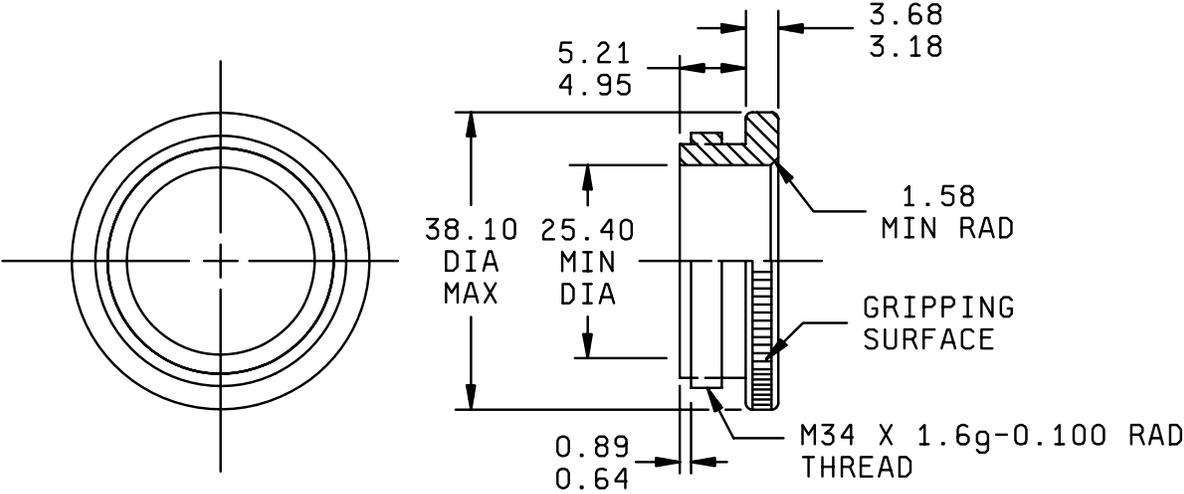


FIGURE 1. Cable bushing launcher receptacle.

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mm	Inches	mm	Inches	mm	Inches
0.64	0.025	3.18	0.125	25.4	1.000
0.89	0.035	3.68	0.145	38.10	1.500
0.100	0.004	4.95	0.195		
1.58	0.062	5.21	0.205		

NOTES:

1. Dimensions are in millimeters.
2. Inch equivalents are given for information only.

FIGURE 1. Cable bushing launcher receptacle – Continued.

REQUIREMENTS:

Dimensions and configurations: See figure 1.

This cable bushing is used with MIL-DTL-83538/4.

Part or Identifying Number (PIN) example: M83538/10-1.

Material: Corrosion resistant, high performance resins, with or without filler materials, capable of withstanding 175°C minimum. The resins must be defined by specifications listed in the DODISS or published by professional materials associations. Exceptions may be granted by the qualifying activity.

QUALIFICATION: This cable bushing shall be in accordance with MIL-DTL-83538. The following details and exceptions shall apply:

Group A: Visual and mechanical examination (100% inspection).

Group B: Not applicable.

Qualification and group C: Two test samples shall be required for stand alone qualification. However, if the manufacturer is in the process of qualifying MIL-DTL-83538/4 connectors, then one test sample is required:

Visual and mechanical examination

Salt spray. Manufacturers that are qualifying this bushing as a stand alone accessory shall conduct salt spray in accordance with MIL-DTL-83538. Manufacturers that are in the process of qualifying MIL-DTL-83538/4 receptacles concurrently with MIL-DTL-83538/10 cable bushings are not required to perform this test, since it is part of the qualification process for MIL-DTL-83538/4. Separate testing is not required for group C, since the bushing is included in the testing process for MIL-DTL-83538/4.

Post test examination.

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Changes from the previous issue: Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Referenced documents. In addition to MIL-DTL-83538, this document references the following:

MIL-DTL-83538/4
MIL-STD-1760

CONCLUDING MATERIAL

Custodians:

Army – CR
Navy – AS
Air Force – 85
DLA – CC

Preparing activity:

DLA – CC

Review activities:

Army – AR, MI
Navy – EC, MC, OS
Air Force – 19, 99

(Project 5935–2007-049)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change. You should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.