

INCH-POUND

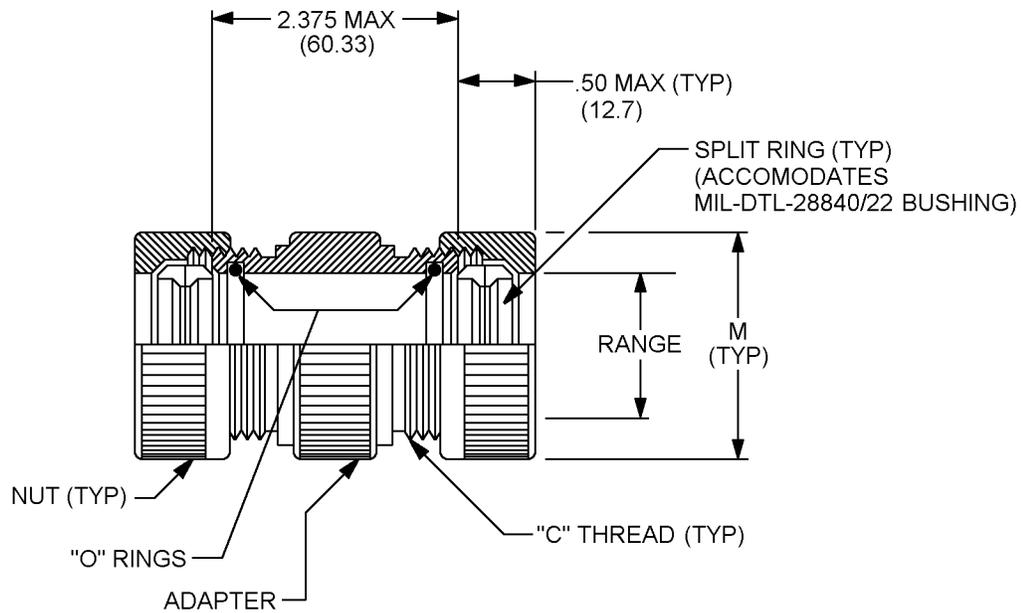
MIL-DTL-28840/30B
20 April 2004
SUPERSEDING
MIL-C-28840/30A(EC)
26 May 1981

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, CIRCULAR, THREADED, HIGH SHOCK,
HIGH DENSITY, SHIPBOARD, METAL CONDUIT COUPLING

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

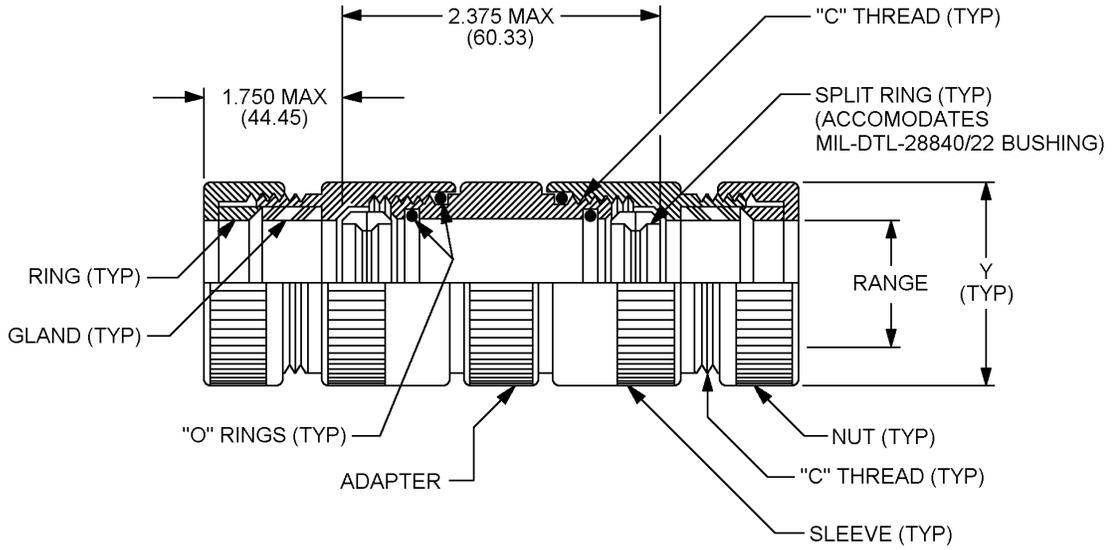
The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-28840.



STYLE A
(FOR MIL-DTL-28840/4 - ** A PLAIN CONDUIT)

FIGURE 1. Dimensions and configurations.

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STYLE B
(FOR MIL-DTL-28840/4 -**B JACKET CONDUIT)

FIGURE 1. Dimensions and configurations - Continued.

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Dash no.	Conduit size	Sealing range		C thread	M max dia	V thread class 2	Y max dia
		Max	Min				
03	03	.63 (16.0)	.50 (12.7)	.875-20 UNEF	1.12 (28.5)	1.00-20 UNEF	1.19 (30.23)
04	04	.75 (19.1)	.63 (16.0)	.000-20 UNEF	1.25 (31.8)	1.188-18 UNEF	1.38 (35.1)
05	05	.88 (22.4)	.75 (18.1)	1.125-18 UNEF	1.43 (36.3)	1.438-18 UNEF	1.63 (41.4)
06	06	1.00 (22.4)	.88 (22.4)	1.250-18 UNEF	1.62 (41.2)	1.750-18 UNS	1.94 (49.3)
08	08	1.38 (35.1)	1.19 (30.2)	1.625-18 UNEF	1.81 (46.0)	2.00-18 UNS	2.19 (55.6)
10	10	1.63 (41.4)	1.44 (36.6)	1.875-18 UNS	2.18 (55.4)	2.250-26 UN	2.44 (62.0)
12	12	1.88 (47.8)	1.63 (41.4)	2.125-16 UN	2.56 (65.0)	2.50-16 UN	2.69 (68.3)
16	16	2.38 (60.5)	2.13 (54.1)	2.750-16 UN	3.06 (77.8)	3.00-16 UN	3.19 (81.0)

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Dimensions apply after plating.

FIGURE 1. Dimensions and configurations - Continued.

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REQUIREMENTS

Dimensions and configurations: See figure 1.

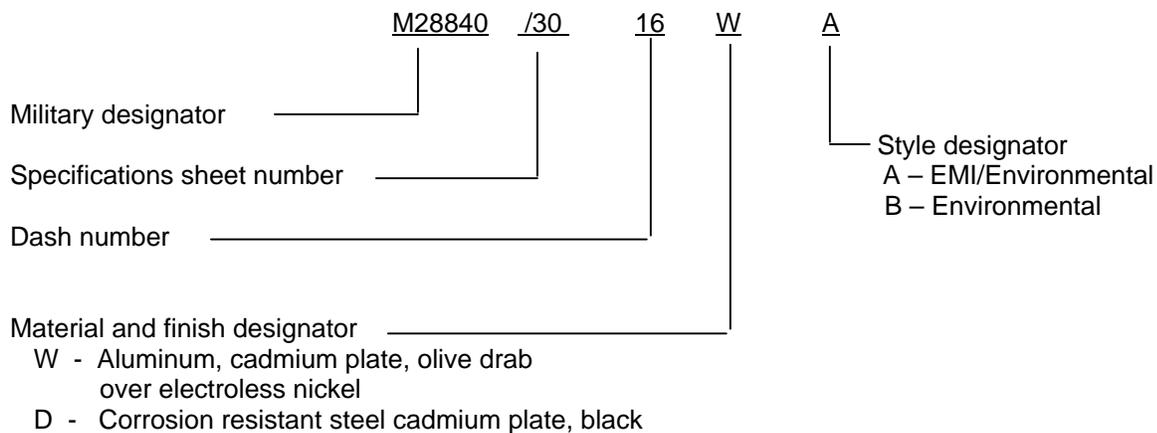
Interface dimensions in accordance with MIL-DTL-28840.

Materials shall be aluminum alloy, in accordance with SAE-AMS-QQ-A-225, ASTM B85, ASTM B108, or ASTM B26/B26M. Corrosion resistant steel in accordance with SAE-AMS-QQ-S-763, class 316.

Finish: Aluminum components shall be cadmium plate, olive drab over electroless nickel.

Corrosion resistant steel components shall be cadmium plate, black. The screws and washers shall be passivate in accordance with SAE-AMS-QQ-P-35.

Marking: The backshell shall be identified with the manufacturer's name or trademark and the Part or Identifying Number (PIN). The example of the PIN is as follows:



Qualification: Two sample in each shell size for which qualification is desired, and shall be tested in accordance with MIL-DTL-28840.

Qualification of MIL-DTL-28840/5 will qualify MIL-DTL-28840/30 by similarity for groups 5 and 6 tests.

Changes from 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.

Reference document. In addition to MIL-DTL-28840, this document references the following:

ASTM B85	SAE-AMS-QQ-A-225	MIL_DTL-28840/4
ASTM B26/B26M	SAE-AMS-QQ-P-35	MIL-DTL-28840/5
ASTM B108	SAE-AMS-QQ-S-763	MIL-DTL-28840/22

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CONCLUDING MATERIAL

Custodians:

Navy - EC
DLA - CC

Preparing activity:

DLA - CC

(Project 5935-4416-016)

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 data at <http://www.dodssp.daps.mil>.