

INCH-POUND

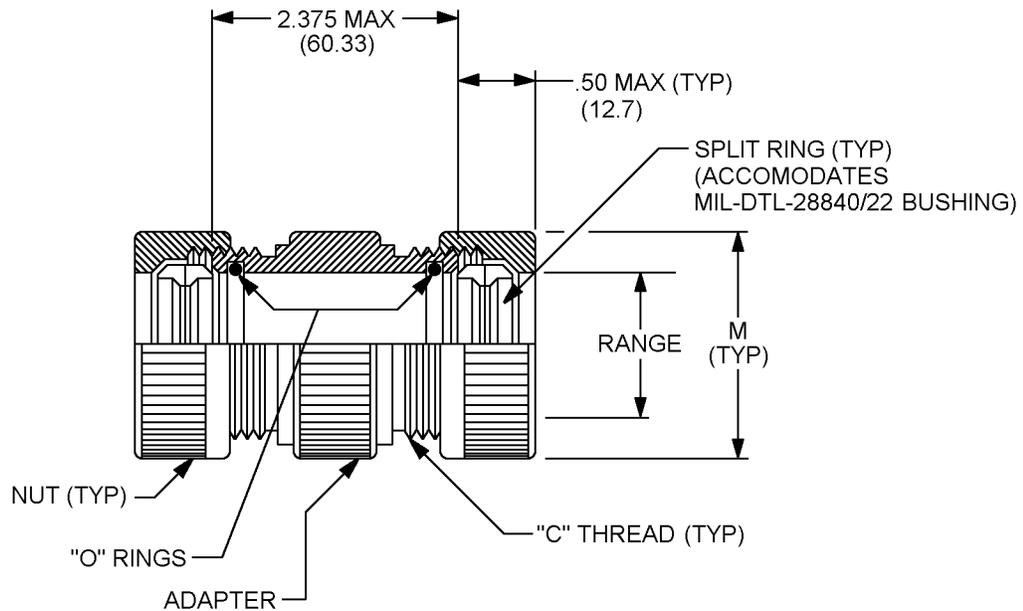
MIL-DTL-28840/30D
21 November 2013
SUPERSEDING
MIL-DTL-28840/30C
11 January 2010

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.

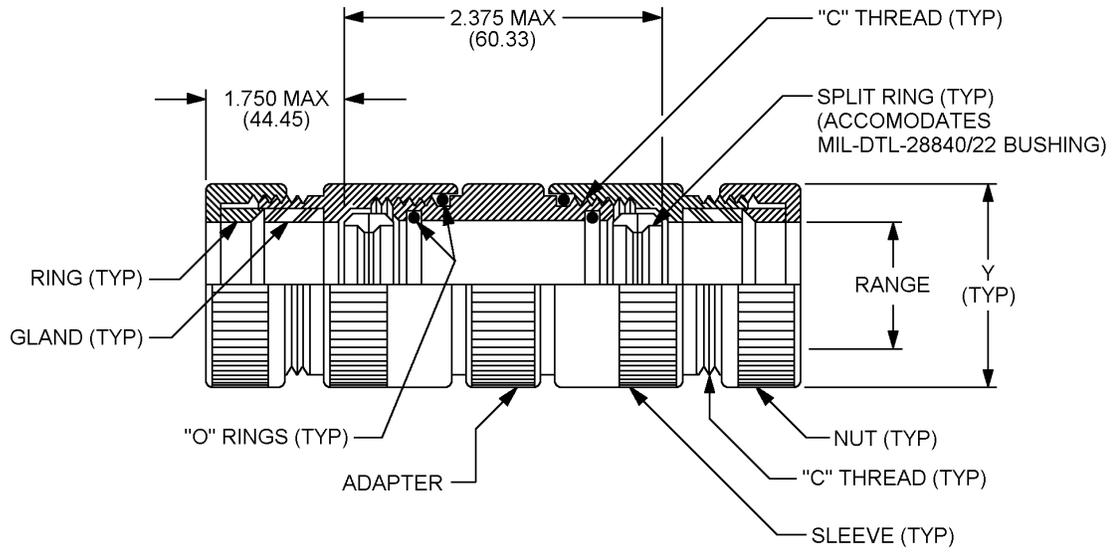
The requirements for acquiring the product described herein
shall consist of this specification sheet and MIL-DTL-28840.



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 dia max	V thread class 2	Y dia max
		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)	1.000-20 UNEF	1.25 (31.8)	1.188-18 UNEF	1.38 (35.1)
05	05	.88 (22.4)	.75 (19.1)	1.125-18 UNEF	1.43 (36.3)	1.438-18 UNEF	1.63 (41.4)
06	06	1.00 (25.4)	.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 (77.7)	3.00-16 UN	3.19 (81.0)

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for 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.
 Material and finish: See table I.

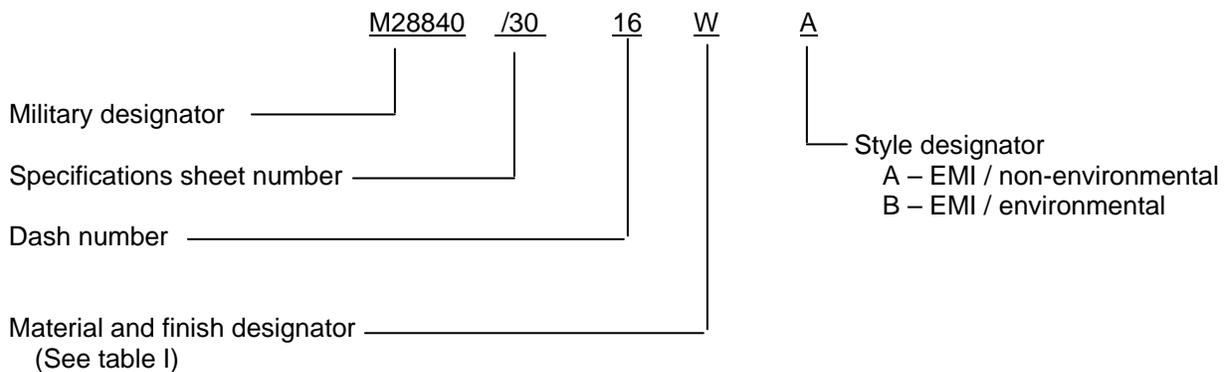
TABLE I. Material and finish.

Material and finish designator	Material	Finish
W	Aluminum alloy in accordance with ASTM B85/B85M, ASTM B26/B26M, ASTM B108/B108M, ASTM B209, ASTM B211, or ASTM B221	Cadmium plate, olive drab over electroless nickel
D	Corrosion resistant steel in accordance with ASTM A276, ASTM A473, or ASTM A580/A580M, type 316	Cadmium plate, black <u>1/</u>
F	Aluminum alloy in accordance with ASTM B85/B85M, ASTM B26/B26M, ASTM B108/B108M, ASTM B209, ASTM B211, or ASTM B221	Pure electro-deposited aluminum, non-reflective
L		Nickel fluorocarbon polymer, non-reflective
S		Zinc nickel, non-reflective
N	Corrosion resistant steel in accordance with ASTM A276, ASTM A473, or ASTM A580/A580M, type 316	Nickel fluorocarbon polymer, non-reflective
R		Zinc nickel, non-reflective

1/ Screws and washers shall be passivated in accordance with SAE-AMS2700, type 2.

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

PIN example:



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.

RESTRICTIONS:

Material and finish designators W and D are inactive for NAVSEA new design, unless approved by NAVSEA.

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

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

MIL-DTL-28840/4
MIL-DTL-28840/5
MIL-DTL-28840/22
ASTM A276
ASTM A473
ASTM A580/A580M
ASTM B26/B26M
ASTM B85/B85M
ASTM B108/B108M
ASTM B209
ASTM B211
ASTM B221
SAE-AMS2700

CONCLUDING MATERIAL

Custodians:

Army - AT
Navy - EC
Air Force - 85
DLA - CC

Preparing activity:

DLA - CC

(Project 5935-2013-128)

Review activities:

Army – AV, MI
Air Force – 99

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 <https://assist.dla.mil>.