

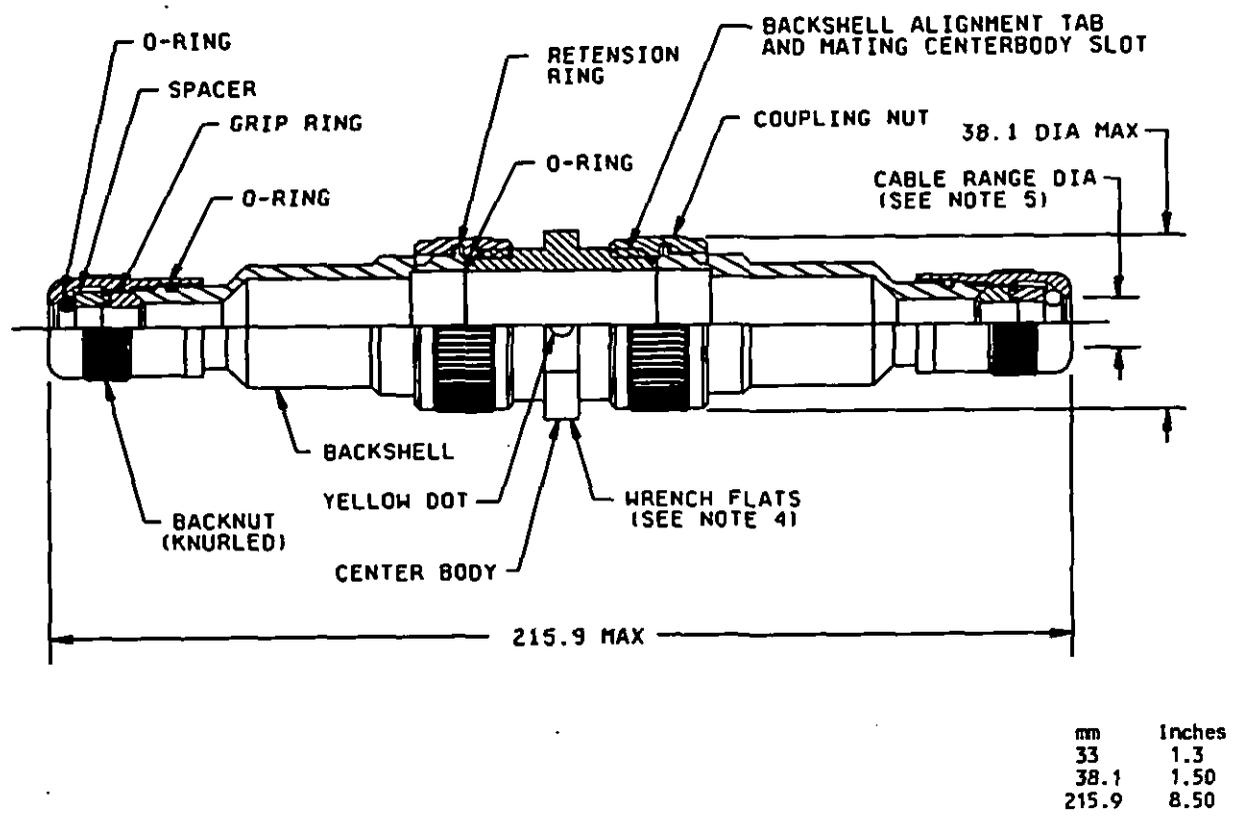
METRIC

MIL-S-24623/5B
21 JUNE 1995
SUPERSEDING
MIL-S-24623/5A
10 June 1991

MILITARY SPECIFICATION SHEET
SPLICE, FIBER OPTIC, CABLE, HOUSING

This specification sheet 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 the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation: DOD-S-24623.



- NOTES:
1. Dimensions are in millimeters.
 2. Inch equivalents are given for general information only.
 3. Finish to be 0.0016 (64 microinches) maximum.
 4. Wrench flats on center body; flat to flat distance to be approximately 33 mm (1.3 inch).
 5. Cable range for four fiber is 7.75 to 8.75 mm (.305 to .344 inch); for 8 fiber is 10.75 to 11.50 mm (.423 to .453 inch).

FIGURE 1. Cable splice housing.

MIL-S-24623/58

REQUIREMENTS:

Design and construction: See figure 1. The splice shall be constructed such that relative rotation of center body and backshell/backnut assembly is prevented.

Finish: Aluminum components: Cadmium plate, olive drab over electroless nickel.

Fiber style: Single mode or multimode.

Splice type: Cable splice housing.

Weight: Less than or equal to 550 grams.

Materials:

Housing: Aluminum alloy in accordance with QQ-A-225.

O rings: Fluoro-silicone in accordance with Mil-R-25988, type I, class I, grade 70.

Nuclear radiation: Not applicable.

Insertion loss: Not applicable.

Return loss: Not applicable.

Crosstalk: Not applicable.

Ambient light susceptibility: Not applicable.

Fiber pull out force: Not applicable.

Vibration: Applicable except discontinuities > 0.3 dB are acceptable.

Shock: Applicable except discontinuities > 0.3 dB are acceptable.

Temperature range: 1.

Part or Identifying Number (PIN):

M24623/05-003, Cable splice housing for 4 or eight fiber cable.

TABLE I. Supersession data.

PIN	Superseding
M24623/05-03	M24623/05-01
M24623/05-03	M24623/05-02

Revision letters are not used to denote changes due to the extensiveness of the changes.

CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - SH
Air Force - 85
NASA - NA

Preparing activity:
Navy - SH

Agent:
DLA - ES

(Project 6060-0110-02)

Review activities:

Army - MI
Navy - EC, YD
Air Force - 17, 19, 80, 99
DLA - ES