

METRIC

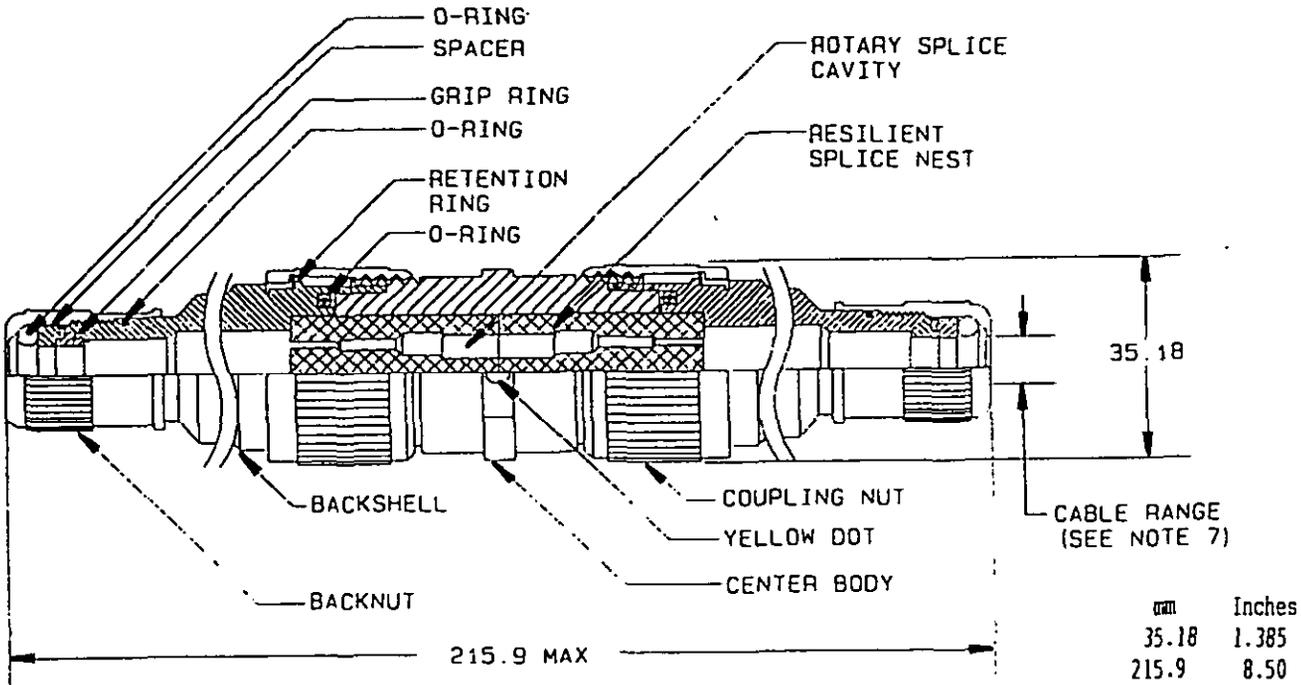
MIL-S-24623/5A
10 June 1991
SUPERSEDING
MIL-S-24623/5(NAVY)
26 June 1989

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.

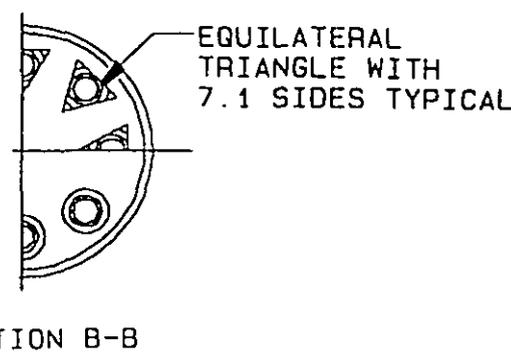
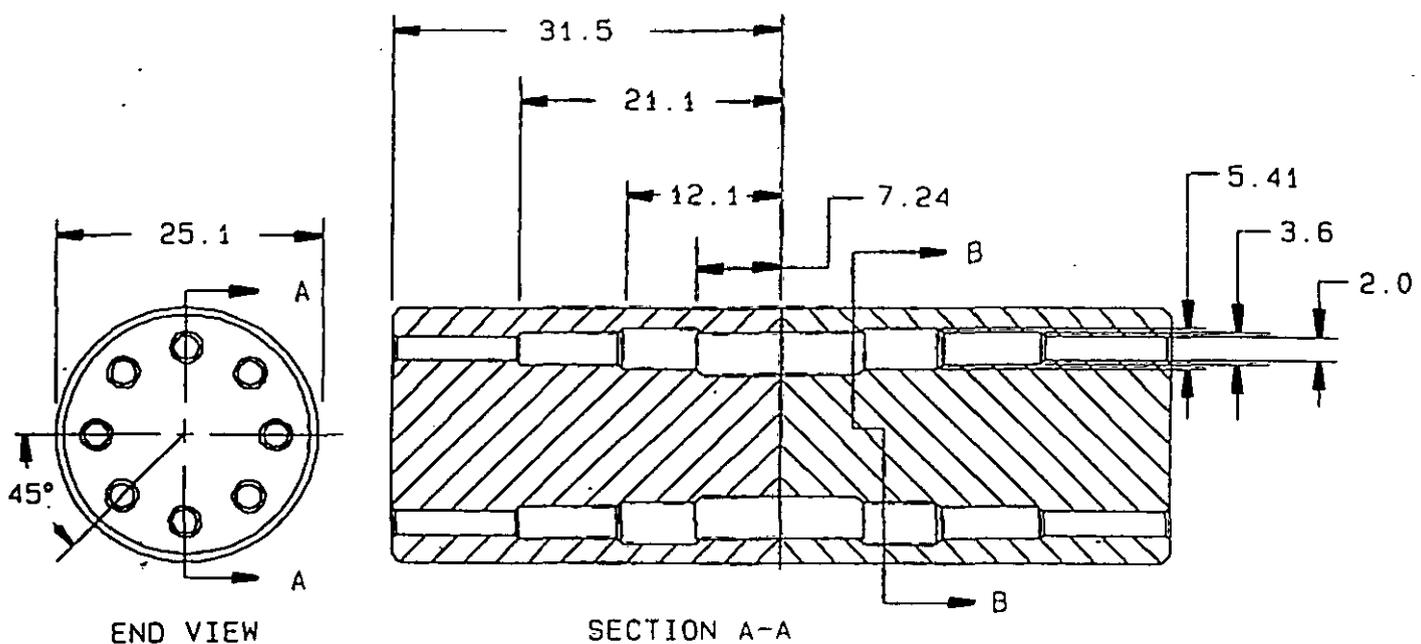
The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation: DOD-S-24623.



NOTES:

1. Dimensions are in millimeters.
2. Inch equivalents are given for general information only.
3. Tolerances: Two places: ± 0.10 mm (.004 inch), one place: ± 0.25 mm (.01 inch), angles $\pm 2^\circ$.
4. Corner radius (0.004) 0.1 maximum.
5. Concentricity (0.002) 0.05 T.I.R.
6. Finish to be (64 microinches) 0.0015 maximum.
7. Cable range for four fiber is 8.74 mm (.344 inch); for 8 fiber is 11.51 mm (.453 inch).

FIGURE 1. Connected cable splice with rotary splices.



mm	Inches	mm	Inches
0.05	.002	7.24	.285
0.10	.004	12.1	.48
2.0	.08	21.1	.83
3.6	.14	25.1	.99
5.41	.213	31.5	1.24
7.1	.285		

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6. Finish to be (64 microinches) 0.0015 maximum.

FIGURE 2. Resilient splice nest.

REQUIREMENTS:

Design and construction: See figures 1 and 2. The splice shall be constructed such that relative rotation of center body and backshell/backnut assembly is prevented.

Fiber style: Single mode or multimode.

Splice type: Cable splice housing.

Weight: Less than or equal to 550 grams.

Materials: 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: N/A.

Ambient light susceptibility: N/A.

Fiber dynamic strength: N/A.

Part number:

M24623/05-001, 8 fiber.

M24623/05-002, 4 fiber.

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

CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - SB
Air Force - 85

Review activities:

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

User activities:

Army - AR
Navy - CG, KC

Preparing activity:

Navy - SH

Agent:

DLA - ES

(Project 6060-0090-2)