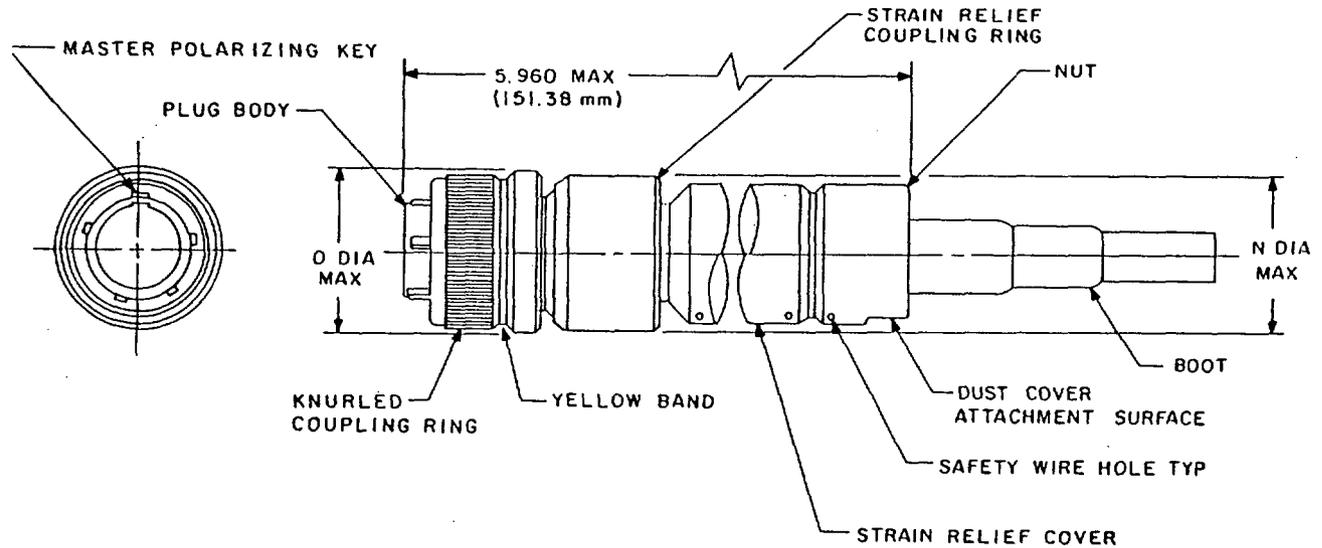


MILITARY SPECIFICATION SHEET

CONNECTORS, FIBER OPTIC, CIRCULAR, PLUG AND RECEPTACLE STYLE,
 MULTIPLE REMOVABLE TERMINI, PLUG, SCREW THREADS,
 WITH STRAIGHT STRAIN RELIEF, ENVIRONMENT RESISTING

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

The requirements for acquiring fiber optic connectors described herein shall consist of this specification and the latest issue of MIL-C-28876.



Shell size	O dia max		N dia max	
	Inches	mm	Inches	mm
11	1.028	26.11	.960	24.38
13	1.141	28.98	1.085	27.55
15	1.263	32.08	1.255	31.88

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Dimensions apply after plating.
4. Metric equivalents (mm) are in parentheses.

FIGURE 1. Plug connector with straight backshell strain relief.

REQUIREMENTS:

Dimensions and configurations: See figure 1 and MIL-C-28876, figures 3 and 8.

Mass: 12.0 ounces maximum.

Insert arrangement: See MIL-STD-2163 for desired shell size.

Termini: Style P (pin) or S (socket). See MIL-C-28876/16 and MIL-C-28876/17. (For dummy terminus see MIL-C-28876/18.)

Shell polarization: 1 through 6 keyway positions. See MIL-C-28876, figure 5.

Marking:

Part number: Marked on coupling ring of plug (see table I).

<u>M28876/7</u>	<u>B</u>	<u>1</u>	<u>2</u>	<u>P</u>	<u>1</u>
Basic part number _____					Keying position number _____
Shell size designator letter _____					Terminus style letter _____
Insert arrangement number _____					Backshell dash number _____

TABLE I. Part number designators.

Shell size	Designator	Insert arrangement number	Termini	Key position	Cable outer diameter, backshell dash number		
					1	2	3
11	A	1	P or S	1, 2, 3, 4, 5, or 6	.250 (6.35)		
					.240 (6.09)		
13	B	1	P or S	1, 2, 3, 4, 5, or 6	.300 (7.62)		
					.290 (7.36)		
15	C	1 or 2	P or S	1, 2, 3, 4, 5, or 6	.515 (13.08)	.260 (6.66)	.385 (9.78)
					.495 (12.57)	.235 (6.02)	.365 (9.27)

Color bands: Yellow. See EIA RS359.

Mating counterpart: Plug connectors specified in MIL-C-28876/1 through MIL-C-28876/5 and MIL-C-28876/11 through MIL-C-28876/14.

Installation and removal tools: As specified in MIL-I-81969/46 through MIL-I-81969/49 and MIL-T-83523/5 through MIL-T-83523/8.

Quality conformance and periodic inspections: The following cables shall be used for quality conformance and periodic inspections:

<u>Shell size</u>	<u>Cables</u>
A	Siecor part number 277-R, 2-channel, 50 micron core, 125 clad, or equal.
B	Siecor part number 477-R, 4-channel, 100 micron core, 140 clad, or equal.
C	Belden part number 229626, 8-channel, 100 micron core, 140 clad, or equal.

For quality conformance and periodic inspections, dummy termini shall be used in all unused cavities.

Patent notice: The Government does not have a royalty-free license under the following patents for the benefit of manufacturers of the item, either for the Government or for use in equipment to be delivered to the Government:

<u>Patent application no.</u>	<u>Patent no.</u>
US (65,032)	US 4,330,965
US (260,660)	
US (376,866)	
US (403,446)	

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

Custodians:

Army - CR
Navy - EC
Air Force - 85

Review activities:

Army - MI
Navy - AS, MC, SH
Air Force - 11, 17, 19, 80, 90, 99
DLA - ES

User activities:

Navy - OS, YD
Air Force - 13, 14

Preparing activity:
Navy - EC

Agent:
DLA - ES

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