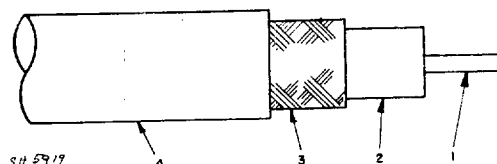


MIL-C-23020/1A(EC)  
 3 June 1968  
 SUPERSEDING  
 MIL-C-23020/1(SHIPS)  
 12 April 1965

## MILITARY SPECIFICATION SHEET

## CABLE, COAXIAL (FOR SUBMARINE USE) TYPE RG-293A/U

The complete requirements for procuring cable described herein shall consist of this document and the latest issue of MIL-C-23020(SHIPS).

Description

- (1) Inner conductor  
 (2) Cable core  
 (3) Outer conductor

Ⓐ

- (4) Jacket

Ⓐ

Constructional details

Bare copper wire  $0.106 \pm 0.001$  inch.

Solid type A - Overall diameter  $0.370 \pm 0.010$ .

Single braid, AWG size 36, 5 percent silver covered copper wire 0.410-inch maximum.

Braid tension - 1.5 pounds minimum.

Carriers	24
Ends	10
Picks/inch	$11.6 \pm 10$ percent

Type IIIA of MIL-C-17. Overall diameter  $0.545 \pm 0.010$  inch. Jacket thickness 0.055 inch minimum. Other jacket materials may be used provided all other requirements, including non-contamination, and is colored black for protection against ultraviolet radiation (see MIL-C-17). A tape may be applied under the jacket, if desired.

Ⓐ Denotes changes

FSC 6145

MIL-C-23020/1A(EC)

Requirements

Dielectric strength	- 12,000 volts r. m. s., minimum.
Corona	- 7,000 volts r. m. s., minimum.
Attenuation	- 4 db/100 ft. maximum at 400 mc. 15 db/100 ft. maximum at 3000 mc.
Impedance	- 50 $\pm$ 2 ohms.
Hydrostatic test:	
Fitting	- MX-2327/U (Drawing REC49366)
Leakage	- "0" cubic inch.
Pressure	- 1000 p. s. i.
Duration	- 2 hours.
Abrasion	- 500 revolutions

Preparing activity:  
Navy - EC  
(Project 6145-N036)