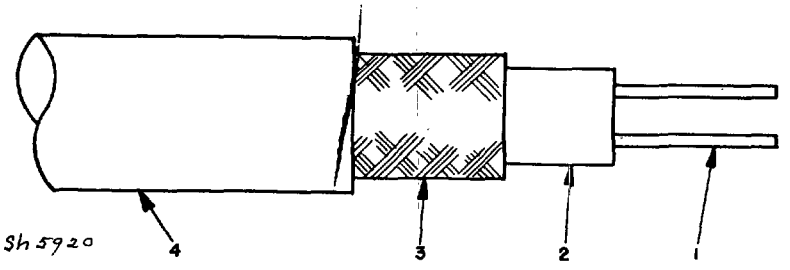
MIL-C-23020/2A(EC)
3 June 1968
SUPERSEDING
MIL-C-23020/2(SHIPS)
12 April 1965

MILITARY SPECIFICATION SHEET

CABLE, COAXIAL (SUBMARINE USE) TYPE RG-294A/U

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



Description	Constructional details
Ⓐ (1) Inner conductors	The conductor nominal diameter .0808. One conductor shall be tinned for circuit identification and the other conductor shall be uncoated. Conductors shall be twisted with a maximum lay of 24 inches, with 5/32 inch spacing between conductors.
(2) Cable core	Solid, type A. Overall diameter 0.472 ± 0.010 inch.
(3) Outer conductor	Single braid, AWG-33 silver copper wire, overall diameter 0.540 inch maximum. The outer conductor shall be filled with a suitable blocking compound. Carriers 24 Ends 10 Picks/inch 7.5 ± 10 percent
Ⓐ (4) Jacket	Type IIIA of MIL-C-17 - Overall diameter 0.630 ± 0.010 inch. Minimum jacket thickness 0.040 inch (Other jacket materials may be used, provided the cable meets all other requirements, including non-contamination, and is colored black for protection against ultraviolet radiation (see MIL-C-17)).

Note: Other types of construction which would result in a more watertight cable may be used, provided permission is obtained from the procuring activity.

Ⓐ Denotes changes

FSC 6145

Requirements

Dielectric strength	- 10,000 volts rms.
Capacitance unbalance	- 10 percent maximum.
Attenuation	- 10 db/100 ft. max. at 400 mc.
Impedance	- 95 ± 5 ohms.
Hydrostatic test:	
Fitting	- MX-2646/U (Drawing REB49397)
Leakage	- "0" cubic inch
Pressure	- 1000 p.s.i.
Duration	- 2 hours.
Abrasion	- 500 revolutions.

Preparing activity:
Navy - EC
(Project 6145-N037)