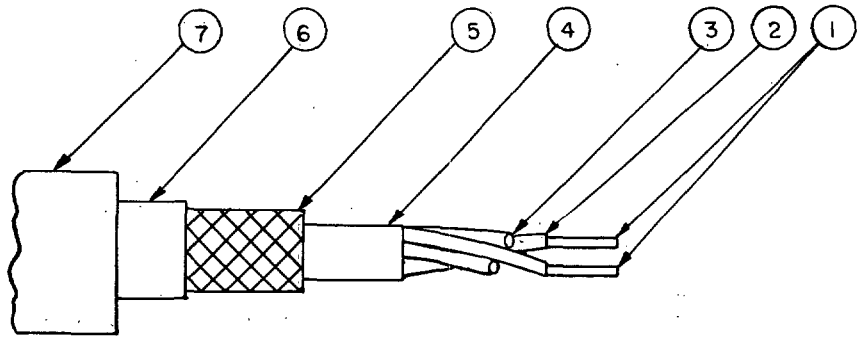
MIL-C-23020/5A(SHIPS)
21 January 1966
SUPERSEDING 1/
MIL-C-23020/5(SHIPS)
12 April 1965

MILITARY SPECIFICATION SHEET

CABLE, COAXIAL (SUBMARINE USE) TYPE RG-317/U

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



SH 7165

	Description	Constructional details
(1)	Inner conductors	Two bare copper wire conductors, 7 strands each of 0.029 inch diameter, nominal O. D. 0.093, 7/8-inch lay, sealed with RTV-60. The center strand of one conductor shall be tinned for identification purposes.
(2)	Cable core insulation	Teflon type FEP, O.D. 0.224 ± 0.008, or equal.
(3)	Fillers	Teflon type TFE, nominal, O.D. 0.145.
# (4)	Two insulated conductors and two fillers cabled together with a 3.5-inch r. h. lay. Valleys and interstices to be filled with Anaconda I 5906 Valley sealed, or equal. A core binder of 0.001 inch by 1 inch type G of MIL-I-631, applied helically with a 1/2 lap. O. D. over tape 0.446-inch nominal.	

1/ CHANGES FROM PREVIOUS ISSUE. THE OUTSIDE MARGINS OF THIS DOCUMENT HAVE BEEN MARKED "#" TO INDICATE WHERE CHANGES (DELETIONS, ADDITIONS, ETC.) FROM THE PREVIOUS ISSUE HAVE BEEN MADE. THIS HAS BEEN DONE AS A CONVENIENCE ONLY AND THE GOVERNMENT ASSUMES NO LIABILITY WHATSOEVER FOR ANY INACCURACIES IN THESE NOTATIONS. BIDDERS AND CONTRACTORS ARE CAUTIONED TO EVALUATE THE REQUIREMENTS OF THIS DOCUMENT BASED ON THE ENTIRE CONTENT AS WRITTEN IRRESPECTIVE OF THE MARGINAL NOTATIONS AND RELATIONSHIP TO THE LAST PREVIOUS ISSUE.

FSC 6145

(5)	Shield	Single braid, AWG 30 tinned copper wire. Diameter - 0.500 O. D. Carriers - 24 Ends - 7 Picks/inch - 6.3 Coverage - 93 percent Braid sealant - Anaconda I - 5906, or equal.
# (6)	Outer wrap	Two 0.001 by 1 pressure-sensitive adhesive coated tape, type G of MIL-I-631, applied helically 1/2 lap, adhesive side outward in opposite directions. O. D. 0.528 ± 0.010.
(7)	Jacket	Arctic neoprene 0.080 inch thick, O. D. 0.710 ± 0.020 inch.

REQUIREMENTS

Capacitance unbalance	- 5 percent.
Velocity or propagation	- 68.3 percent min. at 100 mc.
Characteristic impedance	- 95 ± 5 ohms
Attenaution	- 8 db/100 feet at 400 mc.
Continuity	- Continuous
Dielectric strength	- 10,000 volts r.m.s., minimum.
Hydrostatic test:	
Leakage	- "O" cubic inch.
Pressure	- 500 p.s.i.
Duration	- 2 hours
Abrasion	- 500 revolutions.
Dimension monitoring	- Not required.

Preparing activity:
Navy - SH
(Project 6145-N173Sh)