

MIL-C-23020/4A(EC)
 19 February 1970
 MIL-C-23020/4(SHIPS)
 22 October 1965

MILITARY SPECIFICATION SHEET

CABLE, COAXIAL (SUBMARINE USE) TYPE RG-264C/U

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

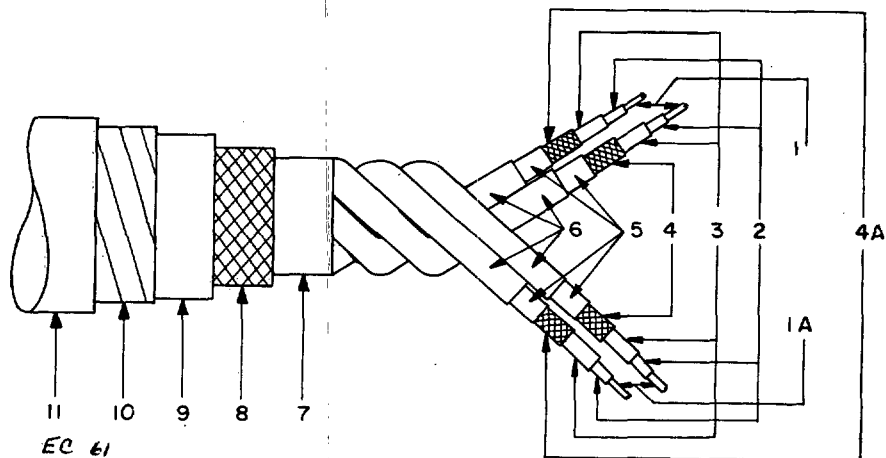


Figure 1 - Construction

NOTES:

1. Center conductor - 13 gauge solid bare copper wire, O.D. $.068 \pm .001$ inch.
- 1A. Center conductor - 13 gauge solid tinned copper wire, O.D. $.068 \pm .001$ inch.
2. Dielectric - Type A (polyethylene) 0.176 ± 0.004 O.D. inch.
3. Braid sealant - Dow Corning 274 flooding compound, or equal.
4. Outer conductor - #36 AWG bare copper wire - 16 carriers 10 ± 10 percent pick/inch, 94.4 percent coverage 0.199 nominal O.D.
- 4A. Outer conductor - #36 AWG tinned copper wire - 16 carriers 10 ± 10 percent pick/inch, 94.4 percent coverage 0.199 nominal O.D.
5. Braid sealant - Dow Corning 274 flooding compound, or equal.
6. Inner wrap - .1 wrap 1/2 inch by 0.009 inch adhesive polyethylene tape, butt lap, 0.227 nominal O.D.
7. Void filler - Avison Oletac 132, or equal.
8. Outer braid - #34 AWG bare copper wire - 24 carriers 10 ± 10 percent pick/inch 91.4 percent coverage, 0.579 ± 0.010 O.D.
9. Braid sealant - Dow Corning 274 flooding compound, or equal.

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10. Outer wrap - 1 wrap 1 inch by 0.014 inch pressure sensitive polyurethane tape, butt lap, 0.607 nominal O. D.
11. Jacket - Polyether-polyurethane, 0.750 ± 0.015 , wall 0.070 min.
 - 1st pair - One copper shielded coaxial cable with copper conductor.
One copper shielded coaxial cable with tinned conductor.
 - 2nd pair - One tinned copper shielded coaxial cable with copper conductor.
One tinned copper shielded coaxial cable with tinned conductor.

REQUIREMENTS

- | | | |
|---------------------|---|---|
| Dielectric strength | - | 5000 volts, r. m. s. min. (each coaxial). 1000 volts, r. m. s. each braid to other braids. |
| Attenuation | - | 12 db/100 ft. at 400 MHz (each coaxial) |
| Impedance | - | 40 ± 2 ohms (each coaxial) |
| Capacitance | - | 42 Pfd/ft. max. (each coaxial). |
| Hydrostatic test | - | |
| Fitting | - | USL drawing 44500B-69 |
| Leakage | - | "0" cubic inch. |
| Pressure | - | 1000 p. s. i. |
| Pressure duration | - | 2 hours. |
| Abrasion | - | 500 revolutions |

Dimension monitoring not required.

Preparing activity:
Navy - EC
(Project 6145-N106)