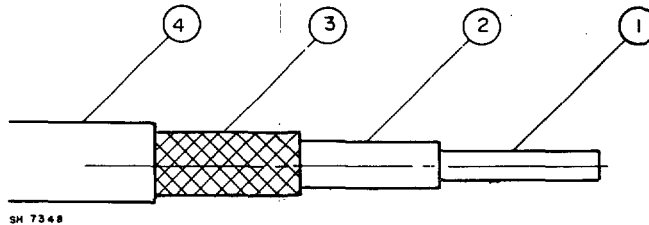


MIL-C-23020/7B(EC)
 3 June 1968
 SUPERSEDING
 MIL-C-23020/7A(SHIPS)
 20 June 1966

MILITARY SPECIFICATION SHEET

CABLE, COAXIAL (SUBMARINE USE) TYPE RG-17A/U(USN)

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



<u>Description</u>	<u>Constructional details</u>															
ⓑ (1) Inner conductor	Bare copper wire, nominal diameter 0.188 inch.															
(2) Cable core	Solid, type A. Overall diameter 0.680 0.015 inch. Conductor off center 5 percent of core radius, maximum.															
(3) Outer conductor	Single braid, AWG size 30 bare copper wire. Overall diameter 0.760 inch maximum.															
	<table border="0"> <thead> <tr> <th></th> <th style="text-align: center;"><u>Alternate</u></th> <th style="text-align: center;"><u>Alternate</u></th> </tr> </thead> <tbody> <tr> <td>Carriers - 24</td> <td style="text-align: center;">36</td> <td style="text-align: center;">48</td> </tr> <tr> <td>Ends - 14</td> <td style="text-align: center;">9</td> <td></td> </tr> <tr> <td>Picks/inch - 3.1 ± 10</td> <td style="text-align: center;">4.0 ± 10</td> <td style="text-align: center;">5.6 ± 10</td> </tr> <tr> <td style="text-align: right;">percent</td> <td style="text-align: center;">percent</td> <td style="text-align: center;">percent</td> </tr> </tbody> </table>		<u>Alternate</u>	<u>Alternate</u>	Carriers - 24	36	48	Ends - 14	9		Picks/inch - 3.1 ± 10	4.0 ± 10	5.6 ± 10	percent	percent	percent
	<u>Alternate</u>	<u>Alternate</u>														
Carriers - 24	36	48														
Ends - 14	9															
Picks/inch - 3.1 ± 10	4.0 ± 10	5.6 ± 10														
percent	percent	percent														
(4) Jacket	Type IIa of MIL-C-17. Overall diameter 0.870 ± 0.015 inch.															

Requirements

Dielectric strength	-	22,000 volts, r. m. s., minimum.
Corona	-	11,000 volts r. m. s., minimum.
Attenuation	-	2.8 db/100 ft. maximum at 400 mc. 11.0 db/100 ft. maximum at 3,000 mc.
Impedance	-	52 ± 2 ohms.

Tests

Hydrostatic leakage and abrasion tests are not required.

Preparing activity:
 Navy - EC
 (Project 6145-N054)

ⓑ Denotes change.

FSC 6145