

JAN-C-17A

E-5. INDIVIDUAL CABLE SPECIFICATION SHEET FOR TYPE
RG-9/U CABLE, DATED 25 JULY 1946

CONSTRUCTION

Inner conductor (see par. D-3).—7 strands of No. 21 AWG silver-coated copper wire. Nominal diameter/strand, 0.0285 inch.

Cable core (see par. D-4).—Solid, type A. Diameter, 0.280 ± 0.005 inch.

Outer conductor (see par. D-5).—Double braid. Maximum diameter, 0.355 inch.

Inner braid	-----	Silver-coated copper.
Wire	-----	No. 34 AWG.
Carriers	-----	24
Ends	-----	9
Picks/inch	-----	6.5 ± 10 percent.
Outer braid	-----	Plain copper.
Wire	-----	No. 34 AWG.
Carriers	-----	24
Ends	-----	8
Picks/inch	-----	10.3 ± 10 percent.

Jacket (see par. D-6).—Type II noncontaminating synthetic resin. Diameter, 0.420 ± 0.010 inch.

TEST REQUIREMENTS

Flow (see par. F-7).—24 pounds.

Dielectric strength (see par. F-13).—10,000 volts r.m.s.

Corona (see par. F-14).—5,000 volts r.m.s.

Attenuation (see par. F-17).—

5.9 db/100 ft. maximum at 400 mc.

20 db/100 ft. maximum at 3,000 mc.

Impedance (see par. F-20).— 51 ± 2 ohms.

ENGINEERING DATA

Nominal capacitance.—30 mmf/ft.

Nominal impedance.—51 ohms.

Maximum operating voltage.—4,000 r.m.s.

Nominal attenuation.—

2.0 db/100 ft. at 100 mc.

4.0 db/100 ft. at 300 mc.

8.5 db/100 ft. at 1,000 mc.

17 db/100 ft. at 3,000 mc.