

JAN-C-17A

E-50. INDIVIDUAL CABLE SPECIFICATION SHEET FOR TYPE
RG-83/U CABLE, DATED 25 JULY 1946

CONSTRUCTION

Inner conductor (see par. D-3).—No. 10 AWG soft copper wire.
Nominal diameter, 0.102 inch.

Cable core (see par. D-4).—Solid, type A. Diameter, 0.240 ± 0.005 inch.

Outer conductor (see par. D-5).—Single braid. Diameter, 0.275 ± 0.005 inch.

Braid.....	Plain soft copper.
Wire.....	No. 33 AWG.
Carriers.....	24.
Ends.....	7.
Picks/inch.....	8.0 ± 10 percent.

Jacket (see par. D-6).—Type I synthetic resin. Diameter, 0.405 ± 0.005 inch. Minimum wall thickness, 0.050 inch.

TEST REQUIREMENTS

Flow (see par. F-7).—6 pounds.

Dielectric strength (see par. F-13).—8,000 volts r.m.s.

Corona (see par. F-13).—2,300 volts r.m.s.

Attenuation (see par. F-17).—9.0 db/100 ft. at 400 mc (estimated maximum).

Impedance (see par. F-20).—33.5 to 36.5 ohms (estimated).

ENGINEERING DATA

Nominal capacitance.—44 mmf/ft. (estimated).

Nominal impedance.—35 ohms.

Maximum operating voltage.—2,000 r.m.s.

Nominal attenuation.—(estimated).

3 db/100 ft. at 100 mc.

4.5 db/100 ft. at 300 mc.

25 db/100 ft at 3,000 mc.

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