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–$\beta$).—No. 10 AWG soft copper wire. Nominal diameter, 0.102 inch.
Cable core (see par. D–$\delta$).—Solid, type A. Diameter, 0.240 ± 0.005 inch.
Outer conductor (see par. D–$\delta$).—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–$\delta$).—Type I synthetic resin. Diameter, 0.405 ± 0.005 inch. Minimum wall thickness, 0.050 inch.

TEST REQUIREMENTS

Flow (see par. F–$\gamma$).—6 pounds.
Dielectric strength (see par. F–$\delta$).—8,000 volts r.m.s.
Corona (see par. F–$\delta$).—2,300 volts r.m.s.
Attenuation (see par. F–$\gamma$).—9.0 db/100 ft. at 400 mc (estimated maximum).
Impedance (see par. F–$\beta$).—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.

[JAN–C–17A] (no. 61)