

28 FEBRUARY 1953

SUPERSEDING

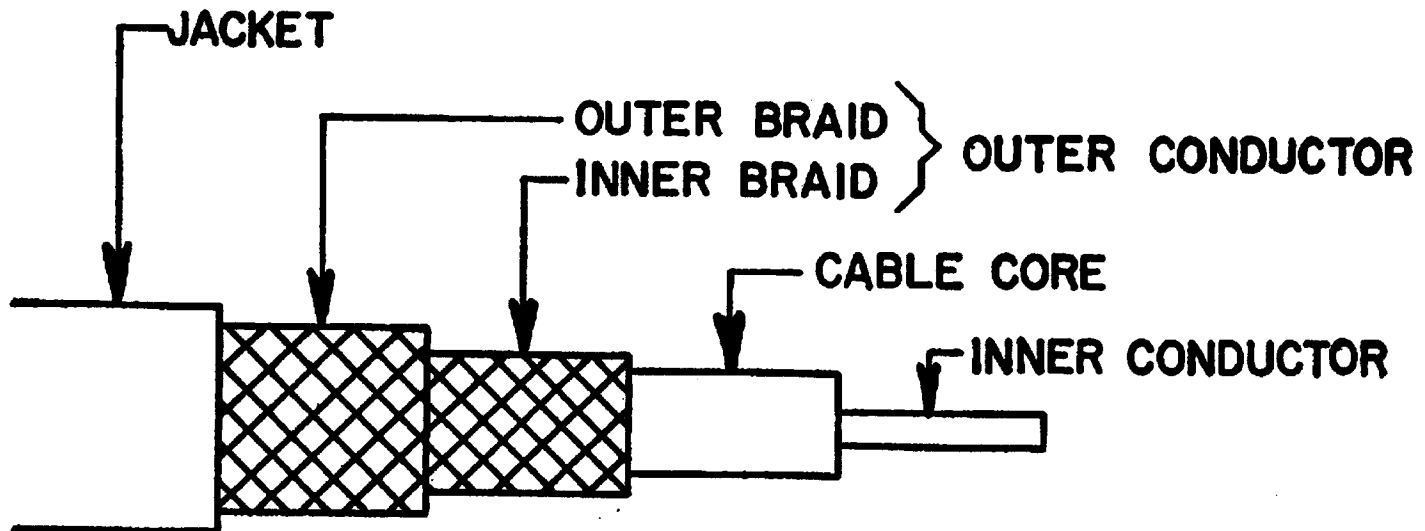
MIL-C-17/14

7 SEPTEMBER 1955

MILITARY SPECIFICATION SHEET

CABLE, RADIO FREQUENCY, COAXIAL, RG-21A/U

This specification sheet forms a part of the latest issue of Military Specification MIL-C-17.



Description	Constructional details
Inner conductor	AWG size 16 high-resistance wire. Nominal diameter, .0508 inch.
Cable core	Solid, type A. Overall diameter, .185 ± .007 inch.
Outer conductor:	Double braid, AWG size 34 silver-covered copper wire. Overall diameter, .264 inch maximum.
	<i>Alternate</i>
Inner braid	Carriers1624
	Ends96
	Picks/inch5.9, ± 10 percent8.8, ± 10 percent
Outer braid	Carriers1624
	Ends96
	Picks/inch8.7 ± 10 percent13, ± 10 percent
Jacket	Type IIa. Overall diameter, .332 ± .007 inch.

REQUIREMENTS

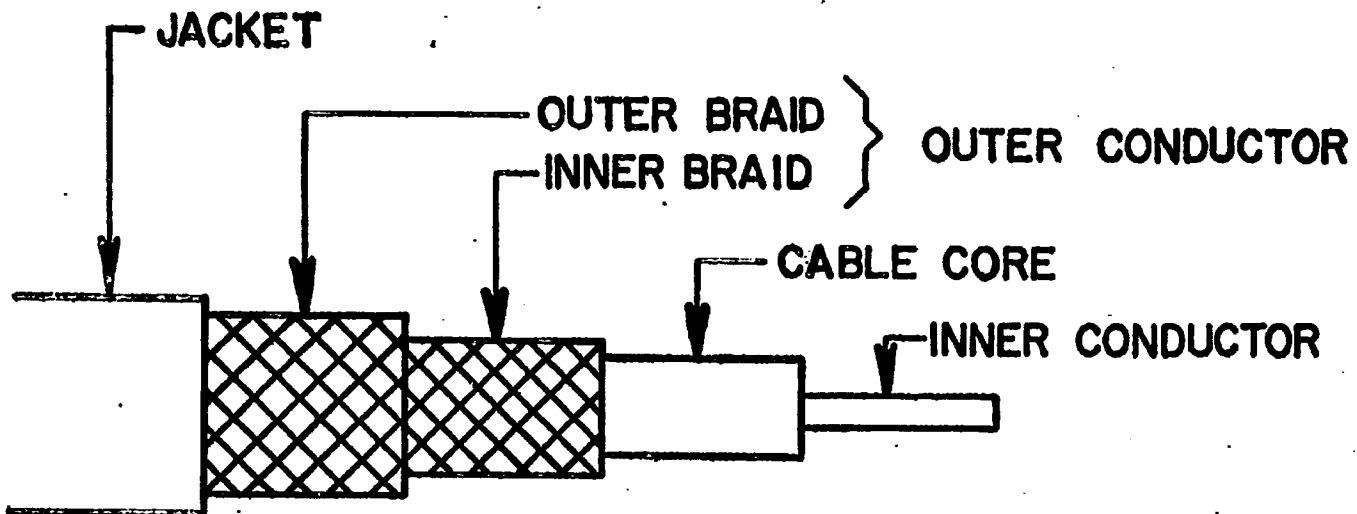
1. Flow 12 pounds.
2. Dielectric strength 7,000 volts rms, minimum.
3. Attenuation 38.0 db/100 ft maximum at 400 mc.
90.0 db/100 ft maximum at 3,000 mc.
4. Impedance 53 ± 2 ohms.

Note. This cable is for replacement purposes only. For new design, use type RG-212/U covered by Specification Sheet MIL-C-17/23.

MILITARY SPECIFICATION SHEET

CABLE, RADIO FREQUENCY, COAXIAL, RG-222/U

This specification sheet forms a part of the latest issue of Military Specification MIL-C-17.



Description	Constructional details
Inner conductor	High-resistance wire. Overall diameter, .0556 $\pm$.0010 in.
Cable core	Solid, type A. Overall diameter, .185 $\pm$.004 in.
Outer conductor:	Double braid, AWG size 34 silver-covered copper wire. Overall diameter, .264 in. maximum.
	<i>Alternate</i>
Inner braid	Carriers1624 Ends96 Picks/in.5.9, $\pm$ 10 percent8.8, $\pm$ 10 percent
Outer braid	Carriers1624 Ends96 Picks/in.8.7, $\pm$ 10 percent18, $\pm$ 10 percent
Jacket	Type IIA. Overall diameter, .382 $\pm$.004 in.

REQUIREMENTS

1. Flow 12 pounds.
2. Dielectric strength 7,000 volts rms, minimum.
3. Attenuation 83.0 db/100 ft maximum at 400 mc.
90.0 db/100 ft maximum at 8,000 mc.
4. Impedance 50 $\pm$ 2 ohms.

Note. The type designation formerly assigned to this cable was RG-21A/U.