

AC25, AC50, AC100

wireless microphones & system accessories

RF Antenna Cables (25' RG8, 50' RG8, 100' RG8)



Features

- **RG8-type flexible coaxial cable**
- **10 AWG stranded center conductor**
- **Bonded foil shield with tinned copper braid overlay**
- **Heavy-duty molded BNC connectors**
- **Ideal for portable or fixed-installation applications**

Description

The AC25, AC50 and AC100 are pre-made antenna cables designed for remote antenna-to-receiver runs. The cables are constructed of a flexible low loss RG8-type coaxial with molded BNC-type connectors.

Architect's and Engineer's Specifications

The antenna cable shall consist of a pre-manufactured and tested (Note to specifier: insert required length 25', 50', 100') length of RG8/U-type flexible coaxial cable with molded heavy-duty BNC-type connectors at each end suitable for indoor and outdoor applications. It shall consist of 10 AWG stranded bare copper center conductors with 7x19 strands. The center conductors shall have foam-polyethylene insulation surrounded by a bonded aluminum foil-polyester tape and aluminum foil along with a +90% tinned copper braid shield. The flexible outer jacket shall be constructed of PVC—Polyvinyl Chloride material with a nominal OD of .405". The cable shall have an impedance of 50 ohms and a nominal capacitance of 24.6 pF/ft. Insertion loss at 400 MHz shall not exceed 2.6 dB. At each end of the cable shall be fitted a standard BNC-type locking connector. The connectors shall be integrally molded onto the cable and incorporate a built-in strain relief.

The antenna cable assembly shall be an Audio-Technica (Note to Specifier: choose appropriate length), or equivalent.

AC25—25'

AC50—50'

AC100—100'

Specifications

Cable type	RG8U
Shield	100% bonded aluminum foil with tinned copper braid overlay
Impedance	50 ohms
Nominal capacitance	24.5 pF/ft
Insertion loss	2.6 dB (per 100' @ 400 MHz)
Connectors	Molded-on BNC Female
Dielectric	Foam-polyethylene
Jacket	PVC
Nominal OD	0.405"

* Within specified bandwidth

In the interest of standards development, A.T.U.S. offers full details on its test methods to other industry professionals on request.

Specifications are subject to change without notice.



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