

Microphone Impedance Matching Transformer Cable



Specifications

Input/Output connectors	XLRF-type in, 1/4" plug out
Frequency response	20-20,000 Hz
Input impedance (from microphone)	250 ohms (nominal)
Output impedance	50,000 ohms (nominal)
Cable length	5 m (16.5')

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.

Features

- Matches low-impedance microphones to high-impedance electronic inputs
- Permits use of long microphone cables
- Reduces noise pickup
- Maintains high-frequency response
- XLRF-type input, 1/4" plug output
- 5 m (16.5') 2-conductor, shielded, vinyl-jacketed cable for ease of connection

Description

The Audio-Technica CP8305 microphone impedance matching transformer cable is designed to connect a low-impedance balanced or unbalanced microphone to a high-impedance electronic input. The high-quality transformer solves the problem of excessive high-frequency loss and hum pickup. The microphone end features an XLRF-type 3-pin microphone connector and the equipment end is the transformer assembly with a 1/4" output connector. Constructed with a 5 m (16.5') length of 2-conductor shielded cable between the transformer and XLRF-type 3-pin microphone connector, the CP8305 eliminates the need for a separate microphone cable for these applications. The transformer end is encased in rugged steel for maximum durability and optimum shielding from hum.

Architect's and Engineer's Specifications

The in-line matching transformer cable shall allow a low-impedance microphone to connect to a high-impedance audio input circuit. It shall incorporate a shielded transformer designed to work with balanced or unbalanced microphones. The input connection shall be through a standard XLRF-type 3-pin connector with locking tab. Output shall be a standard 1/4" 2-conductor plug. A 5 m (16.5') section of two-conductor shielded audio cable shall connect the two ends. The transformer shall be constructed of metal for optimum shielding from hum. Input impedance shall be 250 ohms (nominal) and the output impedance shall be 50,000 ohms (nominal). The transformer shall have a frequency response of 20-20,000 Hz.

The Audio-Technica CP8305 is specified.



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