

# SHURE®

# A95UF

222 HARTREY AVE., EVANSTON, IL 60202-3696 U.S.A.  
MICROPHONE AND ELECTRONIC COMPONENTS

## MODEL A95UF LINE MATCHING TRANSFORMER

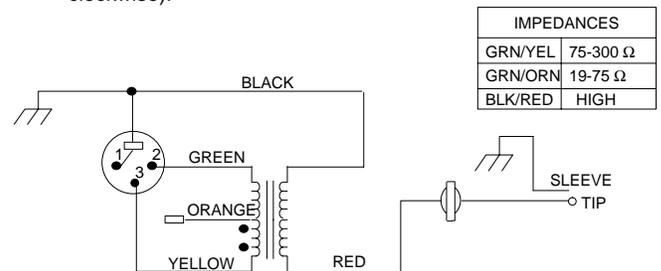
This completely reversible transformer matches low-impedance microphones to high-impedance inputs or high-impedance microphones to low-impedance inputs. The transformer permits use of very long microphone cables with either low-impedance or high-impedance microphones. The only requirement is to limit the cable to 4.6 m (15 ft) between the high-impedance end of the transformer and the low-impedance microphone or microphone input. The transformer prevents high-frequency loss, level loss, and objectionable pickup of noise or hum. The A95UF is furnished with a three-socket professional audio connector\* on the low-impedance end, and with both a standard 1/4-inch phone plug and phone jack adapter for the high-impedance end.

\*To mate with Cannon XL series, Switchcraft A3 (Q.G.), or equivalent.

## LOW-IMPEDANCE SELECTION

As supplied, the low-impedance end is intended for use with microphones or inputs rated at 75 to 300  $\Omega$ . For microphones or inputs rated at 19 to 75  $\Omega$ , make the following changes:

1. Remove the low-impedance plug element by turning the screw counterclockwise and withdrawing the element from the case.
2. Unsolder the YELLOW lead from pin 3 and insulate the bare wire at the end of the lead with the insulator from the ORANGE lead.
3. Solder the ORANGE lead to pin 3.
4. Rotate the plug element three turns to twist the leads, and replace the element in the housing. Fasten the screw securely in place (turn clockwise).



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## SPECIFICATIONS

### Frequency Response

Flat, 20 Hz to 20 kHz. Response at 20 Hz no more than 3 dB down from flat

### Impedance

Low impedance: 75 to 300  $\Omega$  — 75  $\Omega$  or 9 to 75  $\Omega$  — 37.5  $\Omega$   
High impedance: High (41 k $\Omega$  with 150- $\Omega$  source on 75-to-300  $\Omega$  winding)

### DC Resistance

Low impedance: 75 to 300  $\Omega$  — 75  $\Omega$   
19 to 75  $\Omega$  — 37.5  $\Omega$   
High impedance: 4300  $\Omega$

### Voltage Ratio

	<u>19 to 75 <math>\Omega</math></u>	<u>75 to 300 <math>\Omega</math></u>
Low to high impedance	+28 dB	+22 dB
High to low impedance	-28 dB	-22 dB

### Maximum Recommended Input Levels

Driving Source Impedance ( $\Omega$ )	Winding Being Driven	Maximum Level (Volts)
33	19 to 75	0.5
200	75 to 300	1.0
600	High Impedance	10
5,000	High Impedance	10
33,000	High Impedance	10

## Case

Full magnetic shield; steel with gray enamel finish

## Dimensions

19 mm (<sup>3</sup>/<sub>4</sub> in.) diameter; 89 mm 3-<sup>1</sup>/<sub>2</sub> in.) long without adapters

## GUARANTEE

This Shure product is guaranteed in normal use to be free from electrical and mechanical defects for a period of one year from date of purchase. Please retain proof of purchase date. This guarantee includes all parts and labor. This guarantee is in lieu of any and all other guarantees or warranties, express or implied, and there shall be no recovery for any consequential or incidental damages.

## SHIPPING INSTRUCTIONS

Carefully repack the unit, have it insured and return it prepaid to:

Shure Brothers Incorporated  
Attention: Service Department  
222 Hartrey Avenue  
Evanston, Illinois 60202-3696

If outside the U.S.A., return unit to your dealer or Authorized Shure Service Center for repair. The unit will be returned to you prepaid.