



MODEL NUMBER

CONNECTOR

## ALM CORD DATA SHEETS

### ALM Cords

Shure ALM cords use a common connector and wiring configuration on the microphone end, with varying connectors and wiring configurations on the radio end. The most basic configuration is model ALM-1, which has no connector on the radio end.

Some ALM cord models are made by taking an ALM-1 and adding a connector on the radio end. Depending on the radio involved, the connector:

- may have been a commercially-available part
- may have been assembled by Shure from commercially-available parts
- may have been a custom part obtained directly from the radio manufacturer, or
- may have been custom-manufactured by Shure or a contracted vendor according to the radio manufacturer's specifications.

This means that replacement connectors may or may not be readily available, or may not be available under a single part number.

In some cases, the radio-end connector is molded onto the cable. This is usually done by sending ALM-1 cords to the connector vendor and having them assemble and mold the connector. These connectors are generally not repairable or replaceable without the necessary tooling and machinery. This has been noted on the cord data sheet where applicable.

### Instruction Tags

Some ALM cords are shipped with an instruction tag attached, which contains information on required modifications to the microphone or radio that apply in certain situations. Note that the same instruction tag often ships with more than one ALM cord.

GENERAL SPECIFICATIONS:

1. DESCRIPTION  
FIVE-CONDUCTOR, ONE CONDUCTOR SHIELDED, ONE DRAIN WIRE MICROPHONE CABLE
2. OUTER JACKET  
BLACK NEOPRENE  
OVERALL DIAMETER (INCHES) .195 +/- .010
3. CONDUCTORS
  1. FOUR UNSHIELDED CONDUCTORS
    1. COLOR CODE  
YELLOW, BLUE, RED, AND BLACK
    2. MATERIAL  
STRANDED TINNED COPPER WIRE CONSISTING OF 7 STRANDS OF #34 AWG WIRE  
(#26 TOTAL GAUGE)
    3. INSULATION  
POLYPROPYLENE TO A DIAMETER OF .035 NOMINAL
  2. ONE SHIELDED CONDUCTOR
    1. COLOR CODE  
WHITE
    2. MATERIAL  
STRANDED TINNED COPPER WIRE CONSISTING OF 7 STRANDS OF #34 AWG WIRE  
(#26 TOTAL GAUGE)
    3. SHIELD  
#38 AWG TINNED COPPER WIRE WOUND OVER WHITE CONDUCTOR ONLY
  3. DRAIN WIRE  
#22 AWG (26 STRANDS OF #36 AWG TINNED SOFT COPPER)
  4. INNER CABLE COVERING  
MYLAR SPIRAL WRAP
4. CONNECTOR (MICROPHONE END)
  1. SIX-PIN MODULAR RJ-11 PLUG, WITH NEOPRENE FLEX RELIEF BOOT (Note: Data sheets for many Shure Modulink communications microphones show an 8-pin connector in the microphone, but only the middle 6 pins are used.)
  2. WIRING SCHEME  
PIN 1 = RED  
PIN 2 = YELLOW  
PIN 3 = BLUE  
PIN 4 = BLACK  
PIN 5 = WHITE  
PIN 6 = DRAIN

# SHURE®

MODEL NUMBER

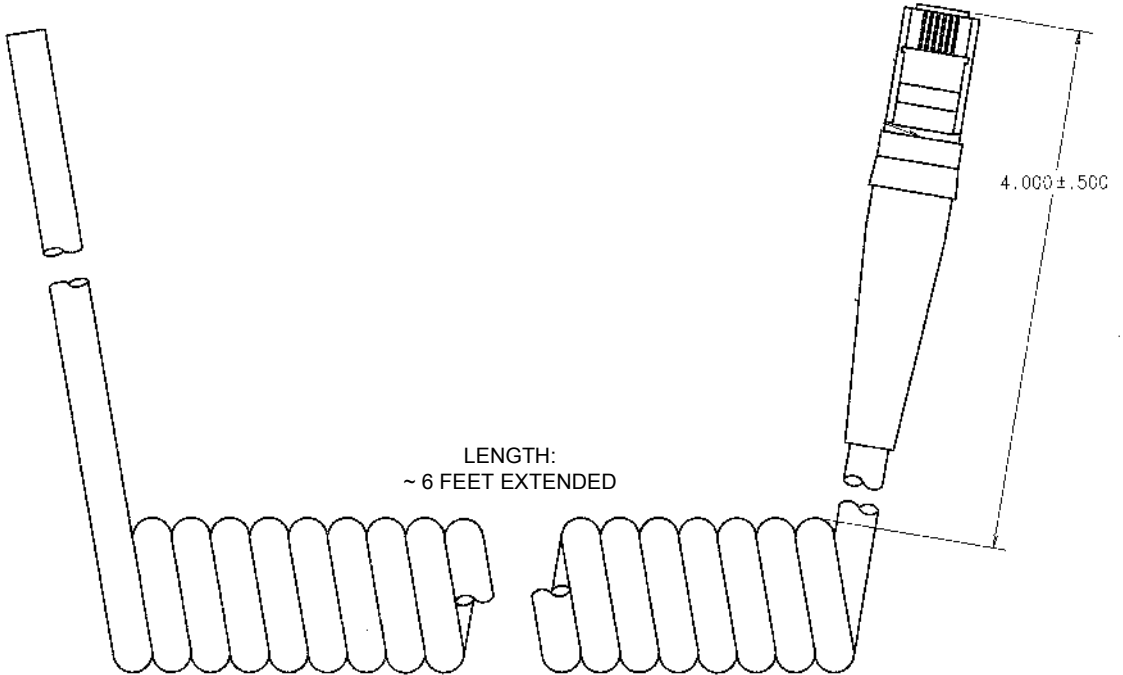
## ALM-1

CONNECTOR

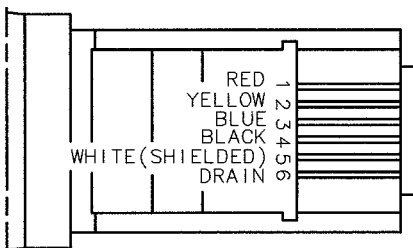
## UNTERMINATED

RADIO END:  
BARE WIRES

MICROPHONE END:  
6-PIN MODULAR RJ-11 PLUG  
WITH NEOPRENE FLEX RELIEF



### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

# SHURE®

MODEL NUMBER

## ALM-2

CONNECTOR

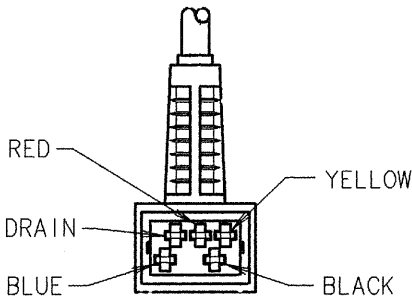
### 5-PIN MOLDED RECTANGULAR

#### CONNECTOR WIRING AT RADIO END

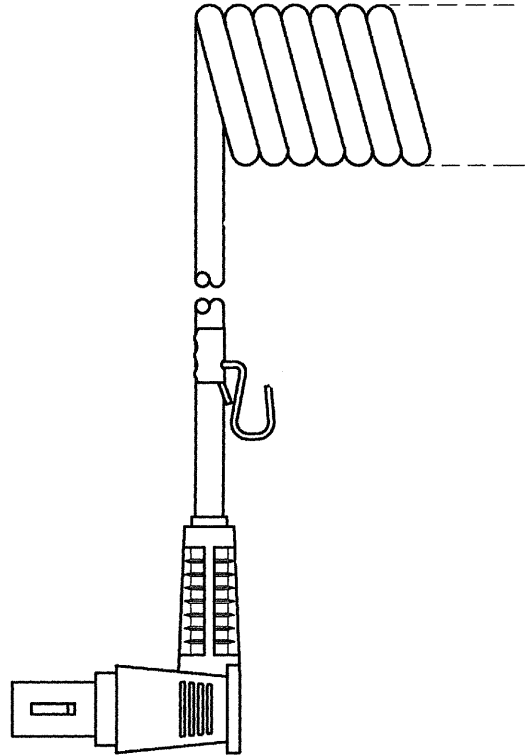
CONNECTOR TYPE: MOTOROLA RIGHT-ANGLE 5-PIN  
MOLDED RECTANGULAR PLUG

NOTE: THIS CONNECTOR IS ASSEMBLED FROM  
MOTOROLA COMPONENTS, AND THEN HAS A FLEX  
RELIEF MOLDED OVER IT. CONNECTOR ASSEMBLY  
REQUIRES SPECIAL EQUIPMENT.

CONNECTOR SHELL: MOTOROLA #14-84590B01  
TERMINALS: MOTOROLA #09-84151B03  
(5 req'd)  
S-HOOK AND CLAMP: MOTOROLA #42A-893647



CONNECTOR WIRING DETAIL



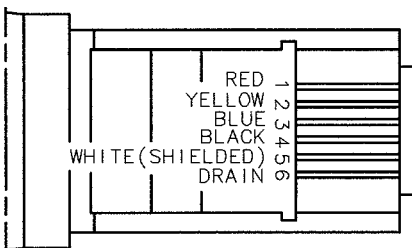
#### INSTRUCTION TAG

**IMPORTANT INFORMATION!**  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 590T, 885TT, AND 890TT  
MICROPHONES

When using with 885TT or 890TT microphones,  
rewire radio for continuous microphone biasing.  
Refer to radio manufacturer's service manual for  
additional information.

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#### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-3

CONNECTOR

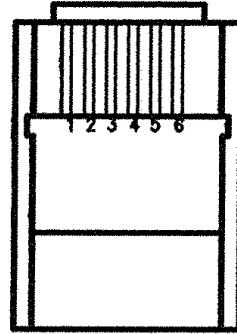
## MODULAR 6-PIN

### CONNECTOR WIRING AT RADIO END

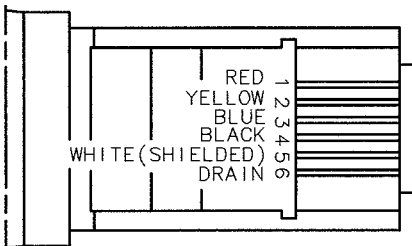
CONNECTOR TYPE: RJ-45 MODULAR 6-PIN

CONNECTOR PIN ASSIGNMENTS:

PIN 1 BLUE  
PIN 2 NO CONNECTION (WHITE LEAD OCCUPYING  
SLOT – NO CONTACT USED)  
PIN 3 YELLOW  
PIN 4 RED  
PIN 5 BLACK  
PIN 6 DRAIN



### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-4

CONNECTOR

## 5-PIN ROUND PLUG

### CONNECTOR WIRING AT RADIO END

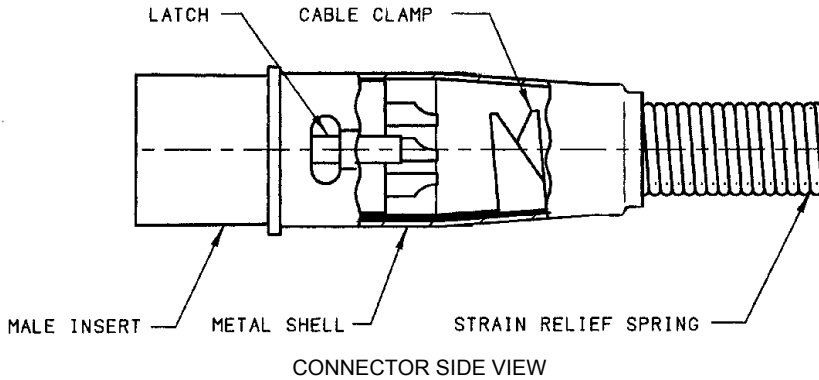
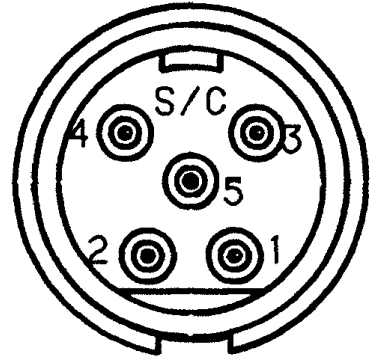
CONNECTOR TYPE: 5-PIN ROUND PLUG  
(SWITCHCRAFT PART SL-40-5M)  
NOTE: COUPLING RING AND  
INSULATOR (MANUFACTURED  
BY SHURE) ALSO REQUIRED

### CONNECTOR PIN ASSIGNMENTS:

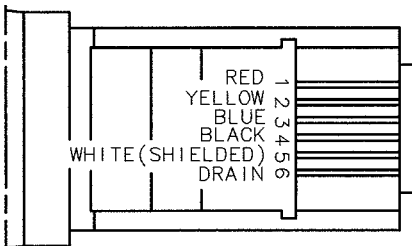
PIN 1 BLACK  
PIN 2 DRAIN  
PIN 3 RED  
PIN 4 YELLOW  
PIN 5 NO CONNECTION

WHITE AND BLUE CONDUCTORS NOT USED

CONNECTOR  
END VIEW



### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

# SHURE®

MODEL NUMBER

## ALM-5

CONNECTOR

## 4-PIN ROUND PLUG

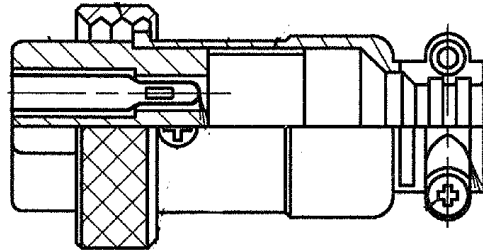
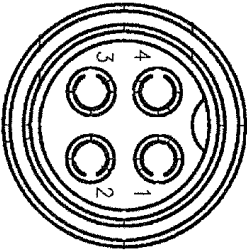
### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 4-SOCKET ROUND PLUG (FUJI SEIMITSU PART FM14-4P)

CONNECTOR PIN ASSIGNMENTS:

PIN 1 RED  
PIN 2 BLACK & DRAIN  
PIN 3 NO CONNECTION  
PIN 4 YELLOW

WHITE AND BLUE CONDUCTORS NOT USED



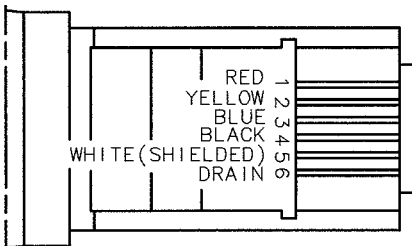
### INSTRUCTION TAG

**IMPORTANT INFORMATION!**  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 590T, 885TT, AND 890TT  
MICROPHONES

Change 270 ohm bias resistor in radio to 1200 ohms. Refer to Midland Service Manual for part location.

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### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-6

CONNECTOR

## 5-PIN ROUND PLUG

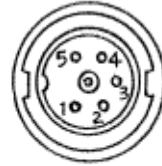
### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 5-PIN ROUND PLUG  
(SWITCHCRAFT PART# 12CL5M)

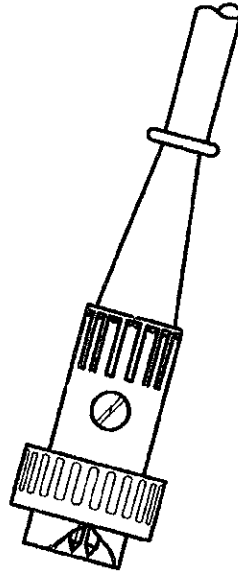
### CONNECTOR PIN ASSIGNMENTS:

PIN 1 RED  
PIN 2 YELLOW  
PIN 3 DRAIN & BLACK  
PIN 4 BLUE  
PIN 5 NO CONNECTION

WHITE CONDUCTOR NOT USED

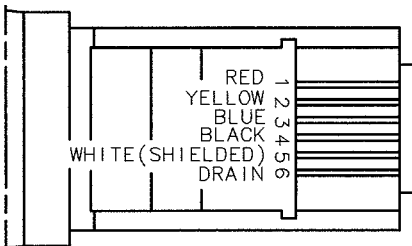


END VIEW OF  
CONNECTOR



INSTRUCTION TAG  
29C2127  
INCLUDED WITH CABLE  
(could not be located)

### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND



# SHURE®

MODEL NUMBER

## ALM-8

CONNECTOR

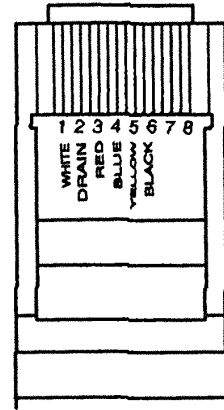
## MODULAR 8-PIN

### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

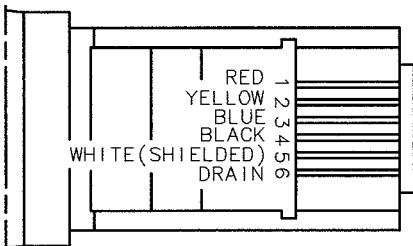
CONNECTOR PIN ASSIGNMENTS:

- PIN 1 NO CONNECTION (WHITE LEAD OCCUPYING SLOT; NO CONTACT USED)
- PIN 2 DRAIN
- PIN 3 RED
- PIN 4 BLUE
- PIN 5 YELLOW
- PIN 6 NO CONNECTION (BLACK LEAD OCCUPYING SLOT; NO CONTACT USED)
- PIN 7 NO CONNECTION (NO CONTACT USED)
- PIN 8 NO CONNECTION (NO CONTACT USED)



CONNECTOR WIRING DETAIL  
(LOCKING TAB ON REVERSE SIDE)

### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

- |        |   |
|--------|---|
| RED    | AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT |
| WHITE  | NON-AMPLIFIED AUDIO OUTPUT                        |
| YELLOW | PTT SWITCH  |
| BLACK  | PTT SWITCH GROUND                                 |
| BLUE   | HANG-UP BUTTON                                    |
| DRAIN  | GROUND  |

# SHURE®

MODEL NUMBER

**ALM-10**

CONNECTOR

FLAT PC HEADER

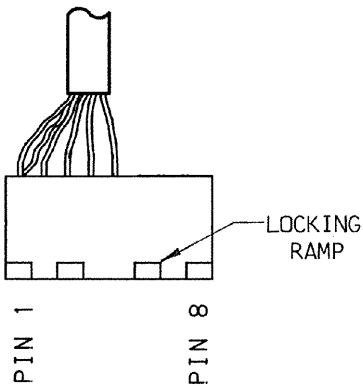
CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: FLAT PC HEADER  
8-PIN MOLEX #2139  
(CONNECTOR HOUSING AND  
PINS SOLD SEPERATELY)

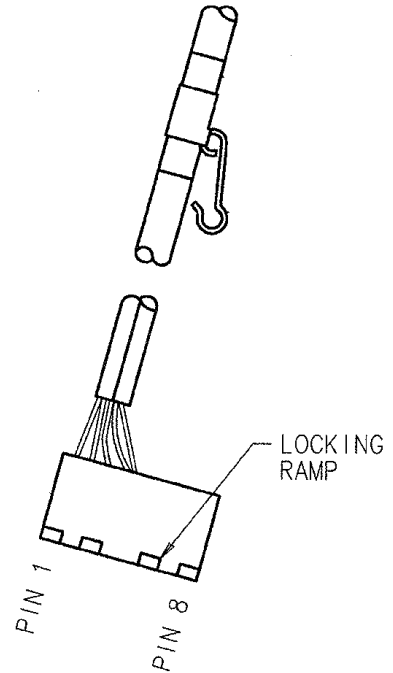
## CONNECTOR PIN ASSIGNMENTS:

PIN 1 BLACK  
PIN 2 YELLOW  
PIN 3 DRAIN & BLUE  
PIN 4 RED  
PIN 5 NO CONNECTION  
PIN 6 NO CONNECTION  
PIN 7 NO CONNECTION  
PIN 8 NO CONNECTION

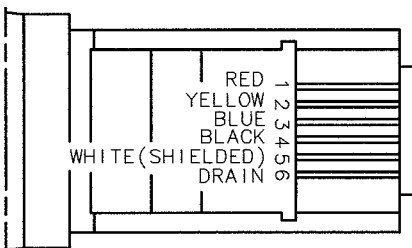
WHITE CONDUCTOR NOT USED



CONNECTOR WIRING DETAIL



APPROXIMATE CABLE TERMINATION

STANDARD MICROPHONE-END CONNECTOR WIRING  
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-11

CONNECTOR

## FLAT PC HEADER

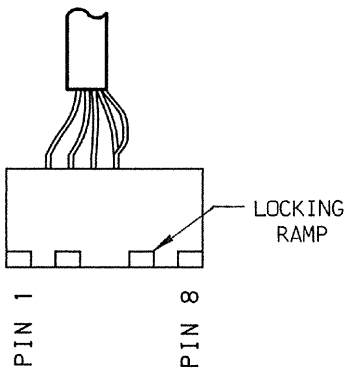
### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: FLAT PC HEADER  
8-PIN MOLEX #2139  
(CONNECTOR HOUSING AND  
PINS SOLD SEPERATELY)

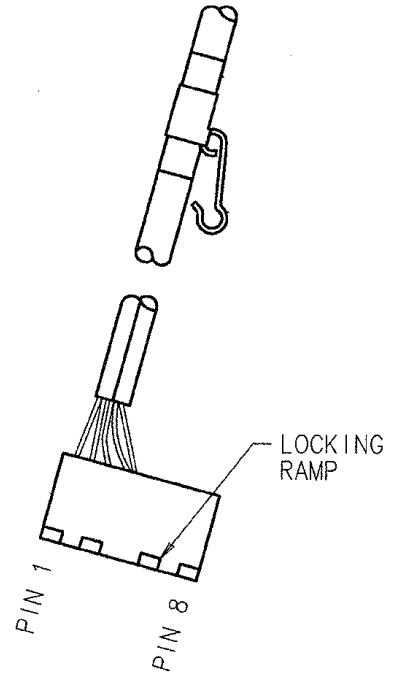
### CONNECTOR PIN ASSIGNMENTS:

PIN 1 NO CONNECTION  
PIN 2 YELLOW  
PIN 3 BLACK  
PIN 4 RED  
PIN 5 DRAIN & BLUE  
PIN 6 NO CONNECTION  
PIN 7 NO CONNECTION  
PIN 8 NO CONNECTION

WHITE CONDUCTOR NOT USED

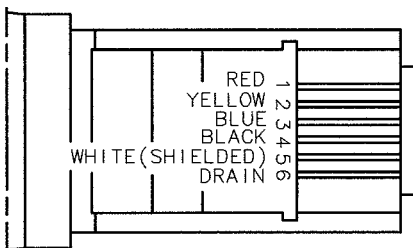


CONNECTOR WIRING DETAIL



APPROXIMATE CABLE TERMINATION

### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-12A

CONNECTOR

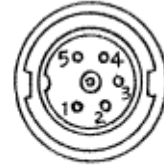
## 5-PIN ROUND PLUG

### CONNECTOR WIRING AT RADIO END

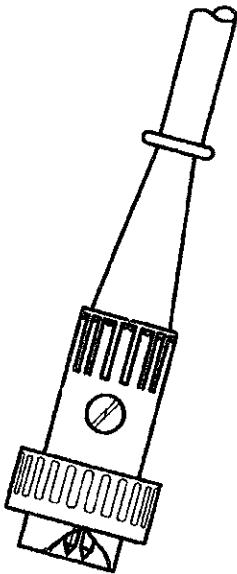
CONNECTOR TYPE: 5-PIN ROUND PLUG  
(SWITCHCRAFT PART# 12CL5M)

### CONNECTOR PIN ASSIGNMENTS:

PIN 1 RED  
PIN 2 DRAIN & BLACK  
PIN 3 YELLOW  
PIN 4 WHITE  
PIN 5 BLUE



END VIEW OF  
CONNECTOR



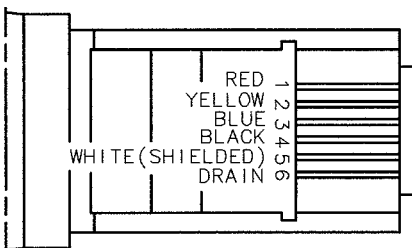
### INSTRUCTION TAG

**IMPORTANT INFORMATION!**  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 590T, 885TT, AND 890TT  
MICROPHONES

When using early production 885TT or 890TT microphones, red jumper from D-E (W301) must be removed. In later production units, the red jumper D-E (W301) is moved to location F-G (W309), per data sheet instructions. (No modification required for Model 590T microphone.)

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### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-16

CONNECTOR

## 5-PIN ROUND PLUG

### CONNECTOR WIRING AT RADIO END

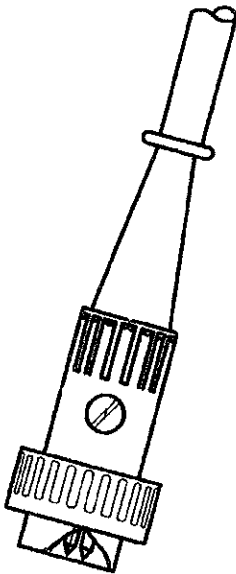
CONNECTOR TYPE: 5-PIN ROUND PLUG  
(SWITCHCRAFT PART# 12CL5M)

### CONNECTOR PIN ASSIGNMENTS:

PIN 1 WHITE  
PIN 2 YELLOW  
PIN 3 DRAIN & BLACK  
PIN 4 BLUE  
PIN 5 RED



END VIEW OF  
CONNECTOR



### INSTRUCTION TAG

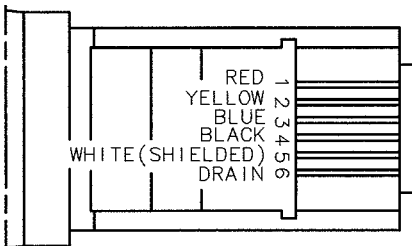
**IMPORTANT INFORMATION!**  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 590T, 885TT, AND 890TT  
MICROPHONES

When using early production 885TT or 890TT microphones, red jumper from D-E (W301) must be removed. In later production units, red jumper D-E (W301) is moved to location F-G (W309), per data sheet instructions. (No modification required for Model 590T microphone.)

Install option jumper in radio per E.F. Johnson service manual to provide +13.8 VDC on pin 3.

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### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-17

CONNECTOR

## 6-PIN SQUARE

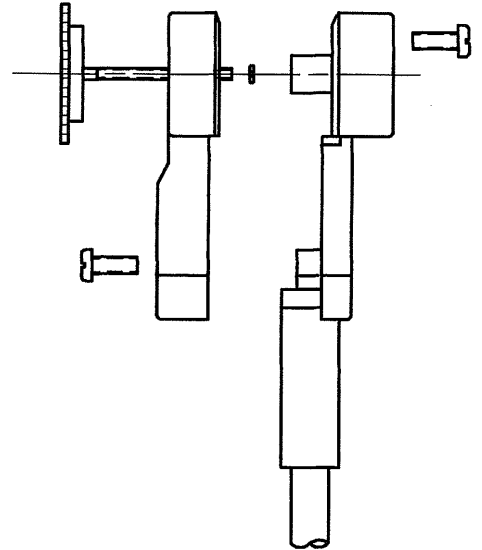
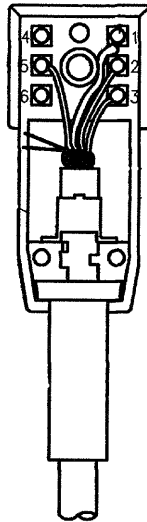
### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 6-PIN SQUARE RIGHT-ANGLE PLUG WITH THUMBSCREW  
(MANUFACTURED BY SHURE;  
NOT AVAILABLE AS A SINGLE  
ASSEMBLY)

### CONNECTOR PIN ASSIGNMENTS:

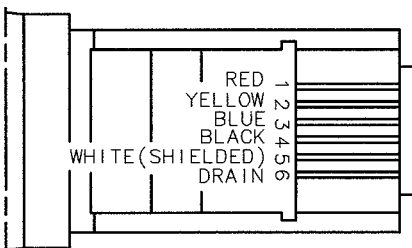
PIN 1 DRAIN  
PIN 2 RED  
PIN 3 YELLOW  
PIN 4 NO CONNECTION  
PIN 5 BLACK  
PIN 6 NO CONNECTION

WHITE, BLUE, AND SHIELD  
CONDUCTORS ARE NOT USED



COVER REMOVED  
FOR CLARITY

### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

**ALM-18**

CONNECTOR

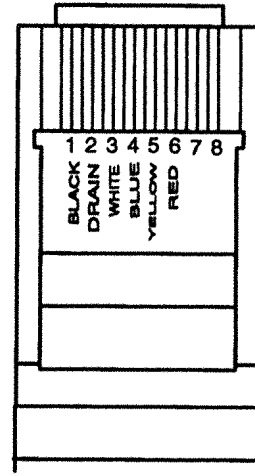
MODULAR 8-PIN

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

CONNECTOR PIN ASSIGNMENTS:

PIN 1	NO CONNECTION (BLACK LEAD OCCUPYING SLOT; NO CONTACT USED)
PIN 2	DRAIN
PIN 3	WHITE
PIN 4	BLUE
PIN 5	YELLOW
PIN 6	RED
PIN 7	NO CONNECTION
PIN 8	NO CONNECTION (NO CONTACT USED)

CONNECTOR WIRING DETAIL  
(LOCKING TAB ON REVERSE SIDE)

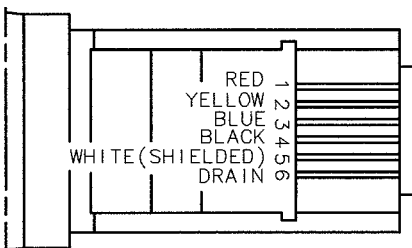
## INSTRUCTION TAG

**IMPORTANT INFORMATION!  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 590T, 885TT, AND 890TT  
MICROPHONES**

When using early production 885TT or 890TT microphones, red jumper from D-E (W301) must be removed. In later production units, red jumper D-E (W301) is moved to location F-G (W309), per data sheet instructions. (No modification required for Model 590T microphone.)

Install option jumper in radio per E.F. Johnson service manual to provide +13.8 VDC on pin 3.

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**STANDARD MICROPHONE-END CONNECTOR WIRING  
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES**

(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

**ALM-19**

CONNECTOR

**DB-9 PLUG**CONNECTOR WIRING AT RADIO END

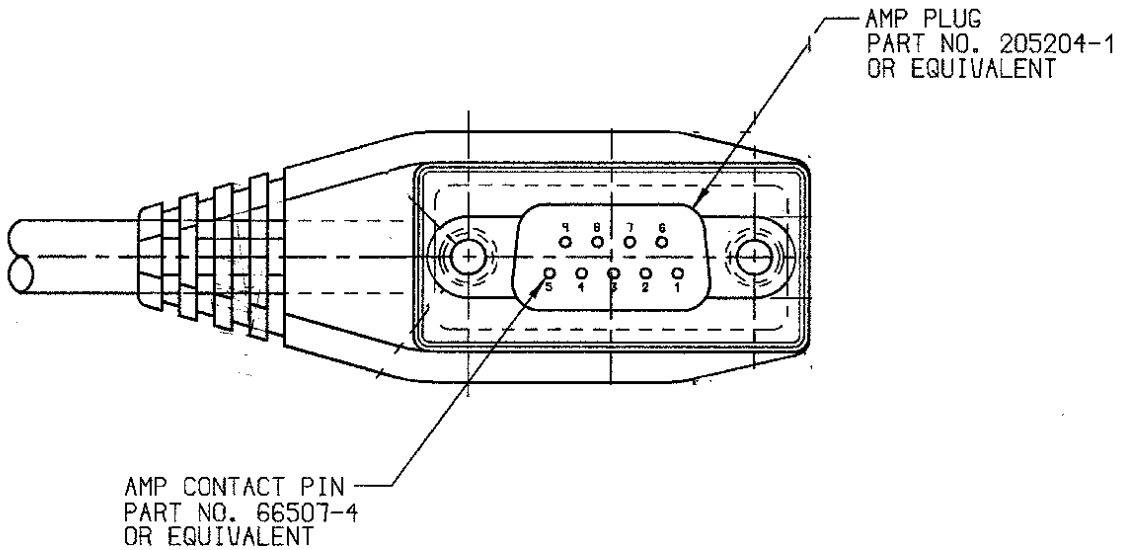
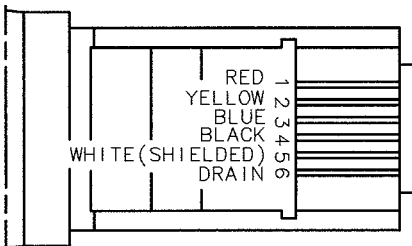
CONNECTOR TYPE: RIGHT-ANGLE DB-9 PLUG

NOTE: THIS CONNECTOR IS MOLDED ONTO THE CABLE BY THE VENDOR, AND CANNOT BE INSTALLED WITHOUT SPECIAL EQUIPMENT

CONNECTOR PIN ASSIGNMENTS:

PIN 1 ---  
PIN 2 YELLOW  
PIN 3 ---  
PIN 4 RED  
PIN 5 ---  
PIN 6 BLUE  
PIN 7 ---  
PIN 8 BLACK  
PIN 9 DRAIN

WHITE CONDUCTOR NOT USED

STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

(LOCKING TAB ON REVERSE SIDE)

RED 1 AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT  
WHITE 2 NON-AMPLIFIED AUDIO OUTPUT  
YELLOW 3 PTT SWITCH  
BLACK 4 PTT SWITCH GROUND  
BLUE 5 HANG-UP BUTTON  
DRAIN 6 GROUND



# SHURE®

MODEL NUMBER

## ALM-20

CONNECTOR

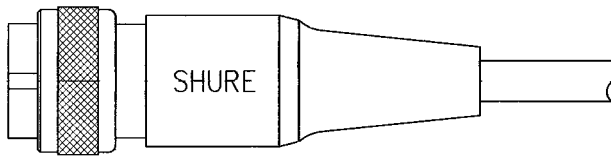
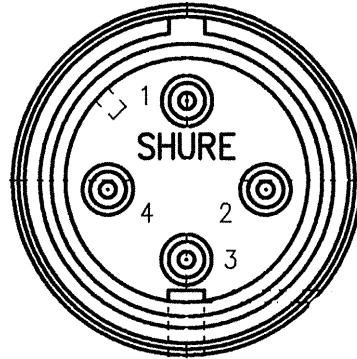
## 4-PIN ROUND

### CONNECTOR WIRING AT RADIO END

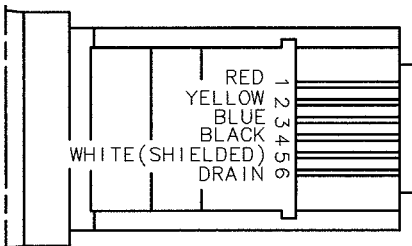
CONNECTOR TYPE: 4-PIN ROUND PLUG

CONNECTOR PIN ASSIGNMENTS:

PIN 1	RED
PIN 2	DRAIN
PIN 3	YELLOW
PIN 4	NO CONNECTION
SHELL/CLAMP	BLACK



### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-22

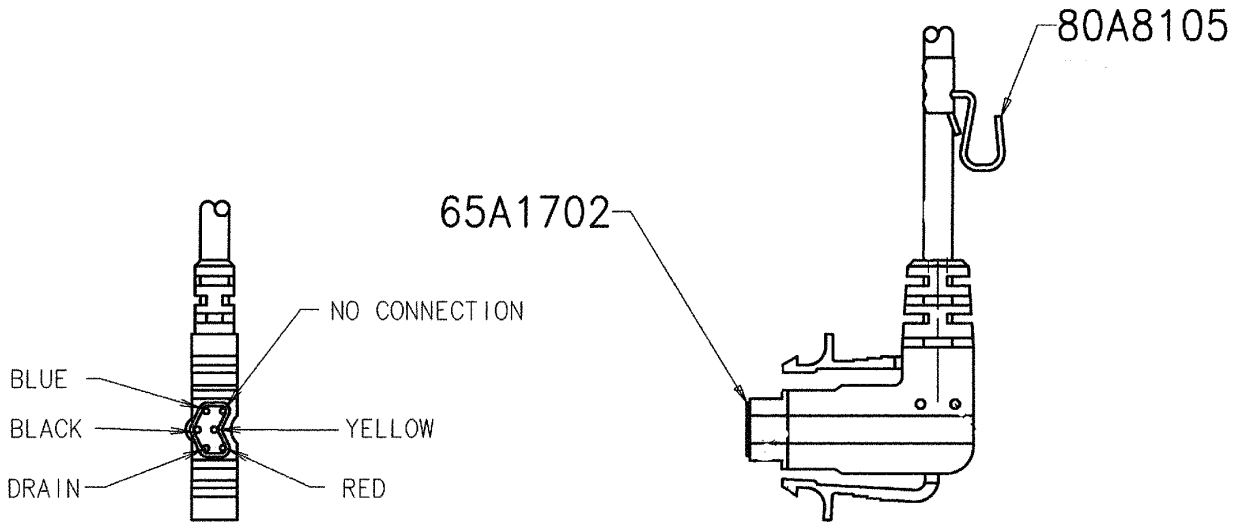
CONNECTOR

6-PIN MOLDED R.A.

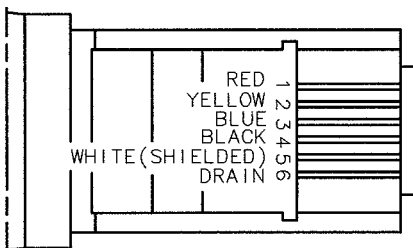
### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 6-PIN RIGHT-ANGLE MOLDED PLUG  
(MOTOROLA PART # 09-D80218J01)

NOTE: CONNECTOR IS MOLDED ONTO CABLE, AND  
CANNOT BE INSTALLED WITHOUT SPECIAL EQUIPMENT



### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

# SHURE®

MODEL NUMBER

**ALM-23**

CONNECTOR

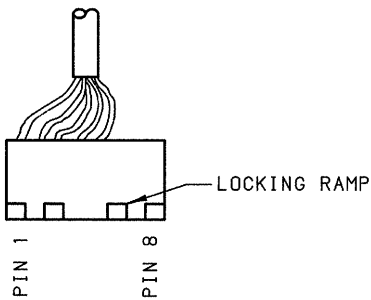
**FLAT PC HEADER**CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: FLAT PC HEADER  
8-PIN MOLEX #2139  
(CONNECTOR HOUSING AND  
PINS SOLD SEPERATELY)

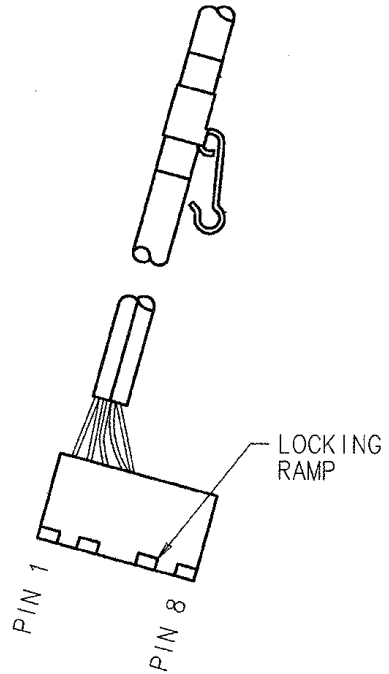
## CONNECTOR PIN ASSIGNMENTS:

PIN 1 RED  
PIN 2 YELLOW  
PIN 3 BLACK  
PIN 4 WHITE  
PIN 5 DRAIN  
PIN 6 NO CONNECTION  
PIN 7 NO CONNECTION  
PIN 8 NO CONNECTION

BLUE CONDUCTOR NOT USED



CONNECTOR WIRING DETAIL



APPROXIMATE CABLE TERMINATION

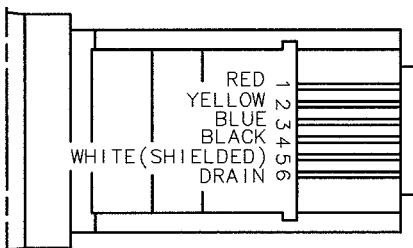
## INSTRUCTION TAG

**IMPORTANT INFORMATION!  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 885TT AND 890TT  
MICROPHONES**

When using early production 885TT or 890TT microphones, red jumper from D-E (W301) must be removed. In later production units, the red jumper D-E (W301) is moved to location F-G (W309), per data sheet instructions.

Radio will require wiring for continuous microphone biasing if used with 885TT or 890TT microphones. Refer to radio manufacturer's service manual for additional information.

29E2127

**STANDARD MICROPHONE-END CONNECTOR WIRING  
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES**

(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-24

CONNECTOR

## MODULAR 8-PIN

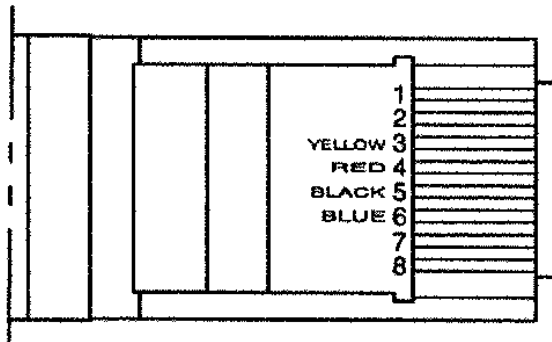
### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

CONNECTOR PIN ASSIGNMENTS:

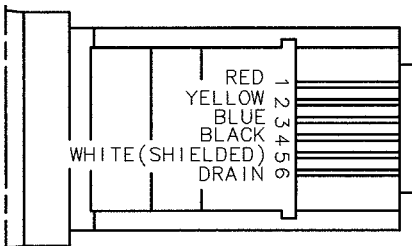
- PIN 1 NO CONNECTION
- PIN 2 NO CONNECTION
- PIN 3 YELLOW
- PIN 4 RED
- PIN 5 BLACK
- PIN 6 BLUE
- PIN 7 NO CONNECTION (WHITE LEAD OCCUPYING SLOT; NO CONTACT USED)
- PIN 8 NO CONNECTION (DRAIN LEAD OCCUPYING SLOT; NO CONTACT USED)

WHITE CONDUCTOR NOT USED



CONNECTOR WIRING DETAIL  
(LOCKING TAB ON REVERSE SIDE)

### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

- |        |   |
|--------|---|
| RED    | AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT |
| WHITE  | NON-AMPLIFIED AUDIO OUTPUT                        |
| YELLOW | PTT SWITCH  |
| BLACK  | PTT SWITCH GROUND                                 |
| BLUE   | HANG-UP BUTTON                                    |
| DRAIN  | GROUND  |

# SHURE®

MODEL NUMBER

**ALM-25**

CONNECTOR

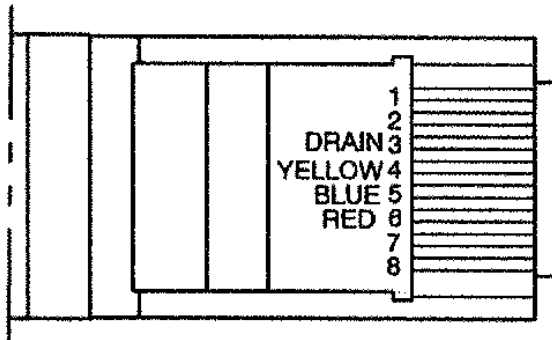
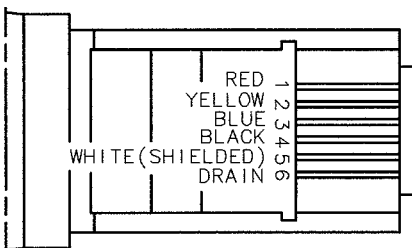
MODULAR 8-PIN

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

## CONNECTOR PIN ASSIGNMENTS:

- PIN 1 NO CONNECTION
- PIN 2 NO CONNECTION (BLACK LEAD OCCUPYING SLOT; NO CONTACT USED)
- PIN 3 DRAIN
- PIN 4 YELLOW
- PIN 5 BLUE
- PIN 6 RED
- PIN 7 NO CONNECTION (WHITE LEAD OCCUPYING SLOT; NO CONTACT USED)
- PIN 8 NO CONNECTION

CONNECTOR WIRING DETAIL  
(LOCKING TAB ON REVERSE SIDE)STANDARD MICROPHONE-END CONNECTOR WIRING  
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

(LOCKING TAB ON REVERSE SIDE)

- |        |   |
|--------|---|
| RED    | AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT |
| WHITE  | NON-AMPLIFIED AUDIO OUTPUT                        |
| YELLOW | PTT SWITCH  |
| BLACK  | PTT SWITCH GROUND                                 |
| BLUE   | HANG-UP BUTTON                                    |
| DRAIN  | GROUND  |

# SHURE®

MODEL NUMBER

**ALM-26**

CONNECTOR

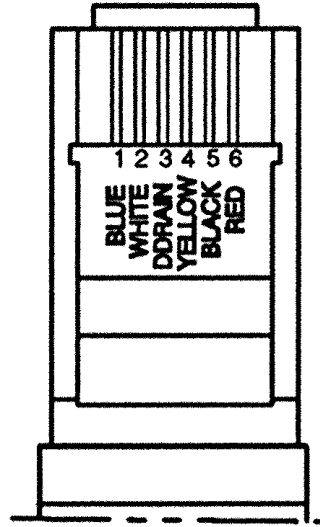
MODULAR 6-PIN

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 6-PIN

## CONNECTOR PIN ASSIGNMENTS:

PIN 1	BLUE
PIN 2	WHITE
PIN 3	DRAIN
PIN 4	YELLOW
PIN 5	BLACK
PIN 6	RED

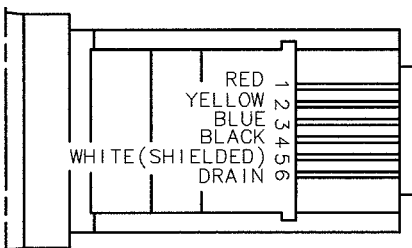
CONNECTOR WIRING DETAIL  
(LOCKING TAB ON REVERSE SIDE)

## INSTRUCTION TAG

**IMPORTANT INFORMATION!**  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 590T, 885TT, AND 890TT  
MICROPHONES

When using early production 885TT or 890TT microphones, red jumper from D-E (W301) must be removed. In later production units, the red jumper D-E (W301) is moved to location F-G (W309), per data sheet instructions. (No modification required for Model 590T microphone.)

29F2127

STANDARD MICROPHONE-END CONNECTOR WIRING  
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-27

CONNECTOR

### 10-PIN MOLDED RECTANGULAR

#### CONNECTOR WIRING AT RADIO END

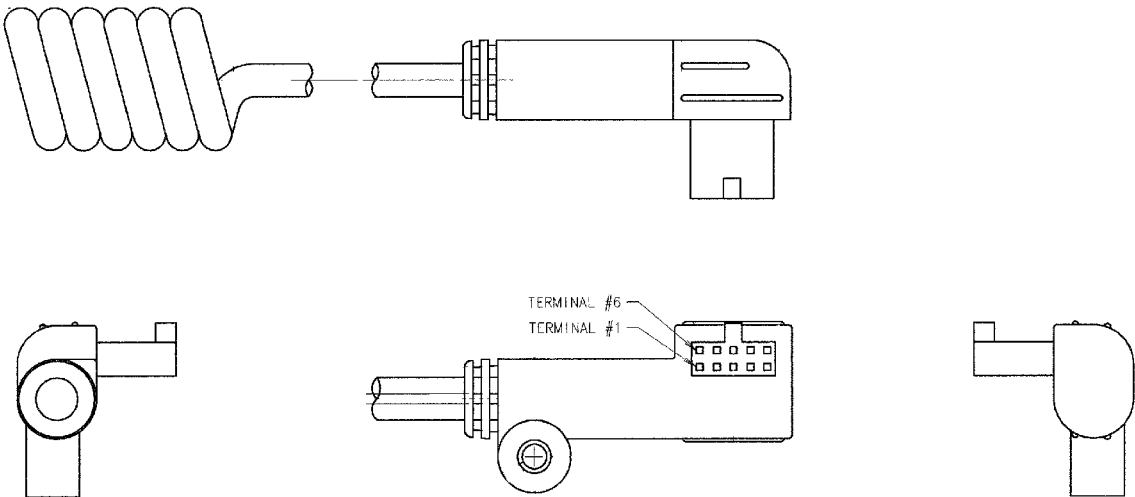
CONNECTOR TYPE: 10-PIN MOLDED  
RECTANGULAR PLUG

NOTE: CONNECTOR IS OVERMOLDED  
ONTO CABLE. SPECIAL EQUIPMENT IS  
REQUIRED FOR ASSEMBLY.

#### CONNECTOR PIN ASSIGNMENTS:

PIN 1	BLACK
PIN 2	NO CONNECTION
PIN 3	NO CONNECTION
PIN 4	RED
PIN 5	DRAIN
PIN 6	NO CONNECTION
PIN 7	NO CONNECTION
PIN 8	NO CONNECTION
PIN 9	NO CONNECTION
PIN 10	YELLOW

WHITE AND BLUE CONDUCTORS NOT USED



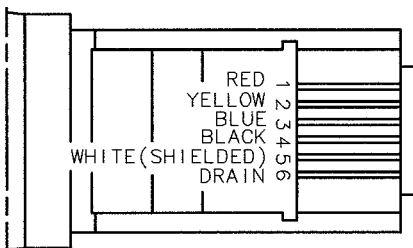
#### INSTRUCTION TAG

**IMPORTANT INFORMATION!**  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 590T MICROPHONES ONLY

For CHANNEL GUARD™ or scanning option, cut  
blue wire to hang-up button in microphone or install  
logic inverter in radio.

29G2127

#### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-27A

CONNECTOR

### 10-PIN MOLDED RECTANGULAR

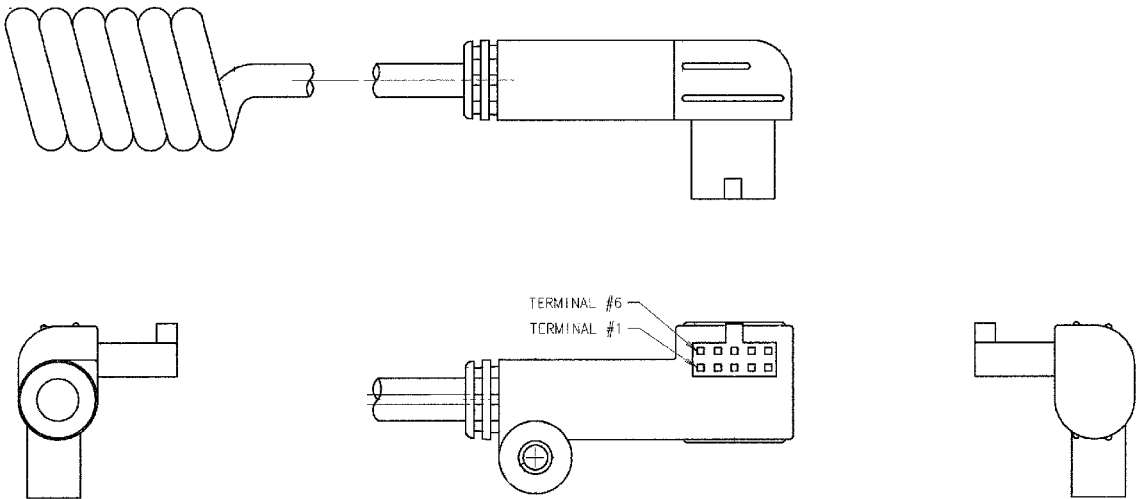
#### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 10-PIN MOLDED  
RECTANGULAR PLUG

NOTE: CONNECTOR IS OVERMOLDED  
ONTO CABLE. SPECIAL EQUIPMENT IS  
REQUIRED FOR ASSEMBLY.

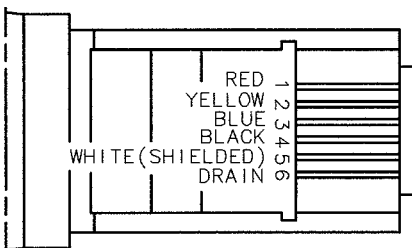
#### CONNECTOR PIN ASSIGNMENTS:

PIN 1	BLACK
PIN 2	RED
PIN 3	NO CONNECTION
PIN 4	WHITE
PIN 5	DRAIN
PIN 6	BLUE
PIN 7	NO CONNECTION
PIN 8	NO CONNECTION
PIN 9	NO CONNECTION
PIN 10	YELLOW



INSTRUCTION TAG  
29J2127  
INCLUDED WITH CORD  
(could not be located)

#### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND



# SHURE®

MODEL NUMBER

**ALM-28**

CONNECTOR

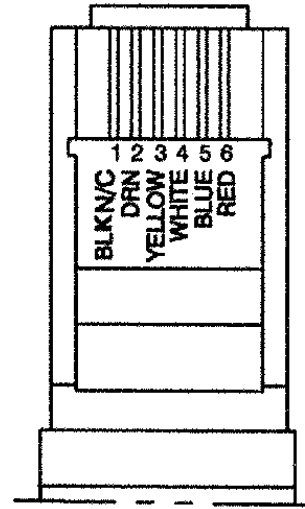
MODULAR 6-PIN

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 6-PIN

## CONNECTOR PIN ASSIGNMENTS:

PIN 1	NO CONNECTION (BLACK LEAD OCCUPYING SLOT; NO CONTACT USED)
PIN 2	DRAIN
PIN 3	YELLOW
PIN 4	WHITE
PIN 5	BLUE
PIN 6	RED

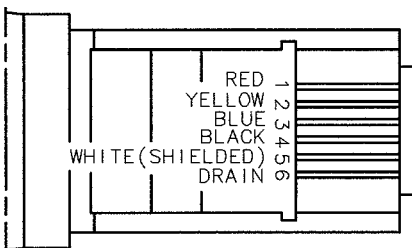
CONNECTOR WIRING DETAIL  
(LOCKING TAB ON REVERSE SIDE)

## INSTRUCTION TAG

**IMPORTANT INFORMATION!**  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 590T, 885TT, AND 890TT  
MICROPHONES

When using early production 885TT or 890TT microphones, red jumper from D-E (W301) must be removed. In later production units, the red jumper D-E (W301) is moved to location F-G (W309), per data sheet instructions. (No modification required for Model 590T microphone.)

29F2127

STANDARD MICROPHONE-END CONNECTOR WIRING  
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

**ALM-32**

CONNECTOR

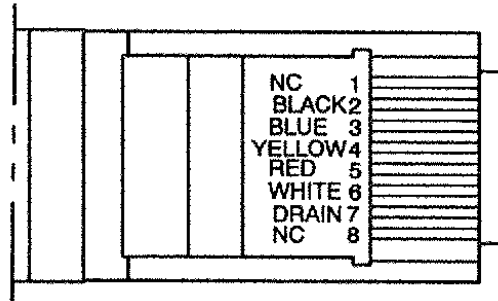
MODULAR 8-PIN

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

## CONNECTOR PIN ASSIGNMENTS:

PIN 1	NO CONNECTION
PIN 2	BLACK
PIN 3	BLUE
PIN 4	YELLOW
PIN 5	RED
PIN 6	WHITE
PIN 7	DRAIN
PIN 8	NO CONNECTION

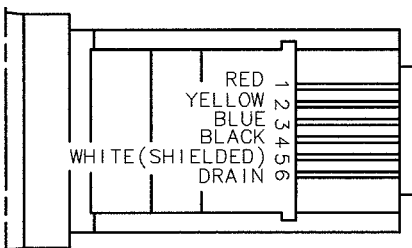
CONNECTOR WIRING DETAIL  
(LOCKING TAB ON REVERSE SIDE)

## INSTRUCTION TAG

**IMPORTANT INFORMATION!**  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 590T, 885TT, AND 890TT  
MICROPHONES

When using early production 885TT or 890TT microphones, red jumper from D-E (W301) must be removed. In later production units, the red jumper D-E (W301) is moved to location F-G (W309), per data sheet instructions. (No modification required for Model 590T microphone.)

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STANDARD MICROPHONE-END CONNECTOR WIRING  
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

**ALM-33**

CONNECTOR

FLAT PC HEADER

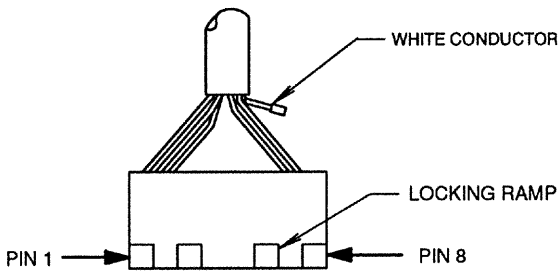
CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: FLAT PC HEADER  
8-PIN MOLEX #2139  
(CONNECTOR HOUSING AND  
PINS SOLD SEPERATELY)

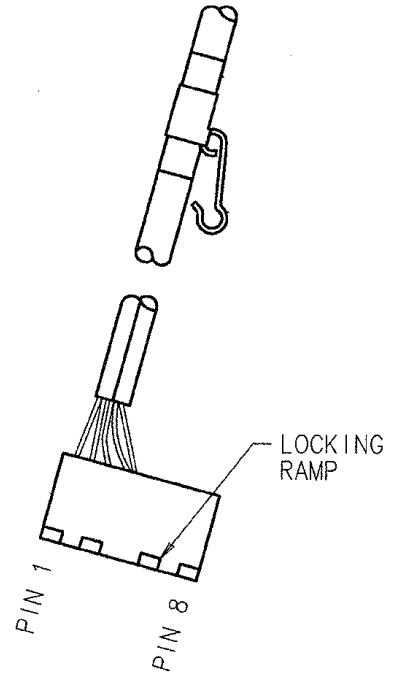
## CONNECTOR PIN ASSIGNMENTS:

PIN 1 BLACK  
PIN 2 YELLOW  
PIN 3 DRAIN  
PIN 4 NO CONNECTION  
PIN 5 NO CONNECTION  
PIN 6 NO CONNECTION  
PIN 7 RED  
PIN 8 BLUE

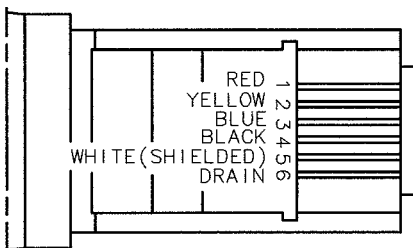
WHITE CONDUCTOR NOT USED



CONNECTOR WIRING DETAIL



APPROXIMATE CABLE TERMINATION

STANDARD MICROPHONE-END CONNECTOR WIRING  
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

**ALM-34**

CONNECTOR

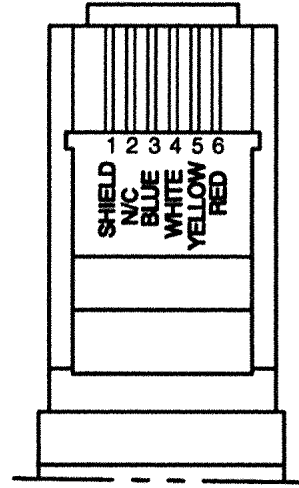
MODULAR 6-PIN

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 6-PIN

## CONNECTOR PIN ASSIGNMENTS:

PIN 1	SHIELD
PIN 2	NO CONNECTION (BLACK LEAD OCCUPYING SLOT; NO CONTACT USED)
PIN 3	BLUE
PIN 4	WHITE
PIN 5	YELLOW
PIN 6	RED

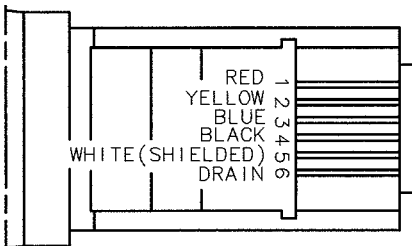
CONNECTOR WIRING DETAIL  
(LOCKING TAB ON REVERSE SIDE)

## INSTRUCTION TAG

**IMPORTANT INFORMATION!**  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 590T, 885TT, AND 890TT  
MICROPHONES

When using early production 885TT or 890TT microphones, red jumper from D-E (W301) must be removed. In later production units, the red jumper D-E (W301) is moved to location F-G (W309), per data sheet instructions. (No modification required for Model 590T microphone.)

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STANDARD MICROPHONE-END CONNECTOR WIRING  
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

**ALM-35**

CONNECTOR

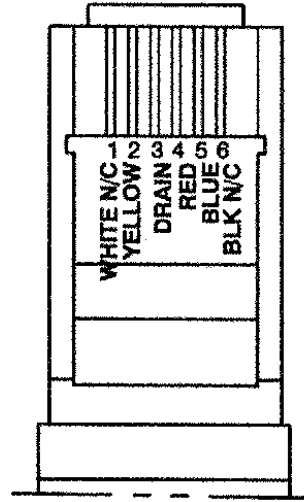
MODULAR 6-PIN

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 6-PIN

## CONNECTOR PIN ASSIGNMENTS:

- PIN 1 NO CONNECTION (WHITE LEAD OCCUPYING SLOT; NO CONTACT USED)
- PIN 2 YELLOW
- PIN 3 DRAIN
- PIN 4 RED
- PIN 5 BLUE
- PIN 6 NO CONNECTION (BLACK LEAD OCCUPYING SLOT; NO CONTACT USED)

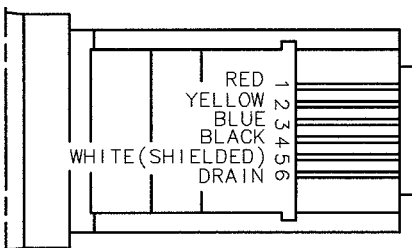
CONNECTOR WIRING DETAIL  
(LOCKING TAB ON REVERSE SIDE)

## INSTRUCTION TAG

**IMPORTANT INFORMATION!**  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 590T, 885TT, AND 890TT  
MICROPHONES

When using early production 885TT or 890TT microphones, red jumper from D-E (W301) must be removed. In later production units, the red jumper D-E (W301) is moved to location F-G (W309), per data sheet instructions. (No modification required for Model 590T microphone.)

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STANDARD MICROPHONE-END CONNECTOR WIRING  
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

(LOCKING TAB ON REVERSE SIDE)

- RED AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
- WHITE NON-AMPLIFIED AUDIO OUTPUT
- YELLOW PTT SWITCH
- BLACK PTT SWITCH GROUND
- BLUE HANG-UP BUTTON
- DRAIN GROUND

# SHURE®

MODEL NUMBER

**ALM-36**

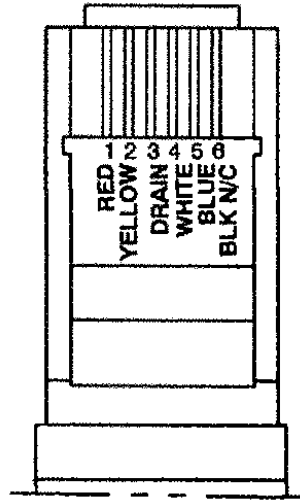
CONNECTOR

**MODULAR 6-PIN**CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 6-PIN

CONNECTOR PIN ASSIGNMENTS:

PIN 1	RED
PIN 2	YELLOW
PIN 3	DRAIN
PIN 4	WHITE
PIN 5	BLUE
PIN 6	NO CONNECTION (BLACK LEAD OCCUPYING SLOT; NO CONTACT USED)

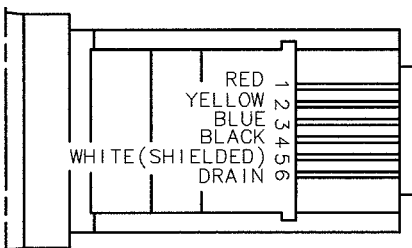
CONNECTOR WIRING DETAIL  
(LOCKING TAB ON REVERSE SIDE)

## INSTRUCTION TAG

**IMPORTANT INFORMATION!**  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 590T, 885TT, AND 890TT  
MICROPHONES

When using early production 885TT or 890TT microphones, red jumper from D-E (W301) must be removed. In later production units, the red jumper D-E (W301) is moved to location F-G (W309), per data sheet instructions. (No modification required for Model 590T microphone.)

29F2127

STANDARD MICROPHONE-END CONNECTOR WIRING  
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

**ALM-37**

CONNECTOR

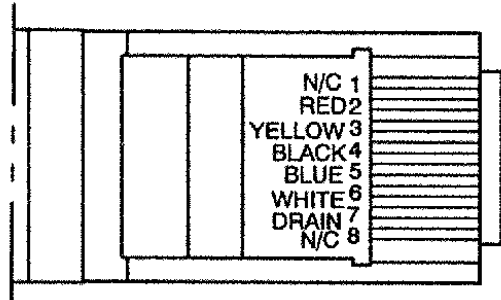
MODULAR 8-PIN

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

## CONNECTOR PIN ASSIGNMENTS:

PIN 1	NO CONNECTION
PIN 2	RED
PIN 3	YELLOW
PIN 4	BLACK
PIN 5	BLUE
PIN 6	WHITE
PIN 7	DRAIN
PIN 8	NO CONNECTION

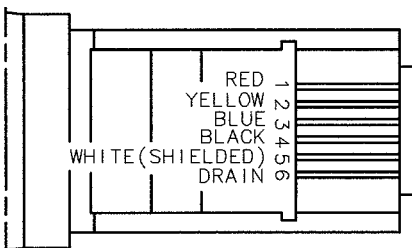
CONNECTOR WIRING DETAIL  
(LOCKING TAB ON REVERSE SIDE)

## INSTRUCTION TAG

**IMPORTANT INFORMATION!**  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 590T, 885TT, AND 890TT  
MICROPHONES

When using early production 885TT or 890TT microphones, red jumper from D-E (W301) must be removed. In later production units, the red jumper D-E (W301) is moved to location F-G (W309), per data sheet instructions. (No modification required for Model 590T microphone.)

29F2127

STANDARD MICROPHONE-END CONNECTOR WIRING  
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-38

CONNECTOR

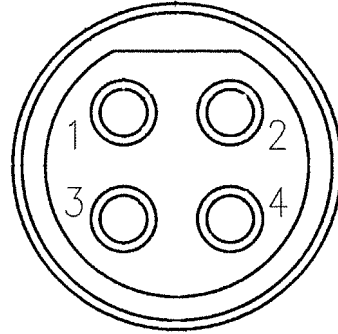
## 4-PIN ROUND

### CONNECTOR WIRING AT RADIO END

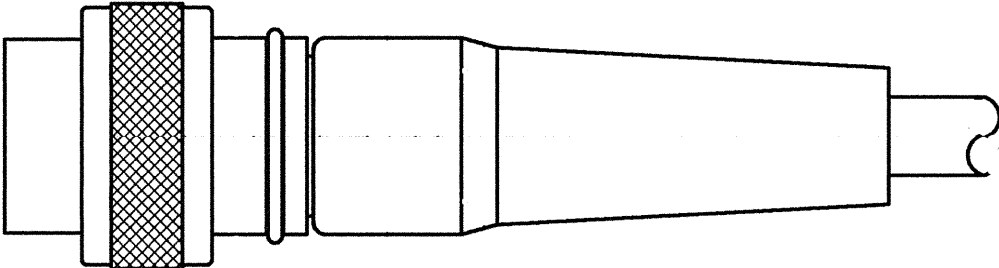
CONNECTOR TYPE: 4-PIN ROUND PLUG  
(MATES WITH SWITCHCRAFT  
2504F RECEPTACLE)

### CONNECTOR PIN ASSIGNMENTS:

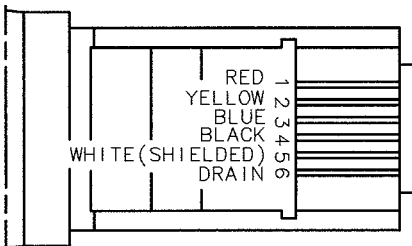
PIN 1 BLACK & SHIELD  
PIN 2 RED  
PIN 3 BLUE  
PIN 4 YELLOW



CONNECTOR PIN CONFIGURATION



### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND



# SHURE®

MODEL NUMBER

## ALM-39

CONNECTOR

## 6-PIN ROUND

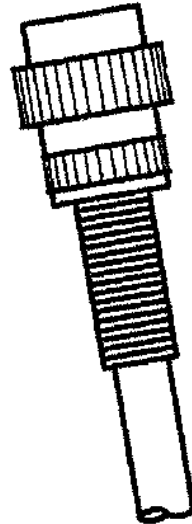
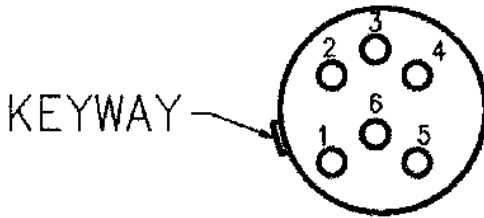
### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 6-PIN ROUND PLUG

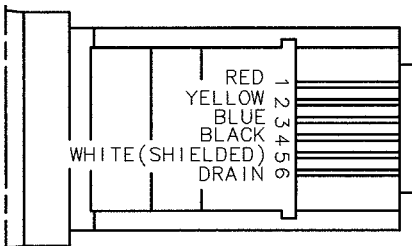
#### CONNECTOR PIN ASSIGNMENTS:

PIN 1 DRAIN & BLACK  
PIN 2 RED  
PIN 3 NO CONNECTION  
PIN 4 NO CONNECTION  
PIN 5 YELLOW  
PIN 6 BLUE

WHITE CONDUCTOR NOT USED



### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

# SHURE®

MODEL NUMBER

**ALM-40**

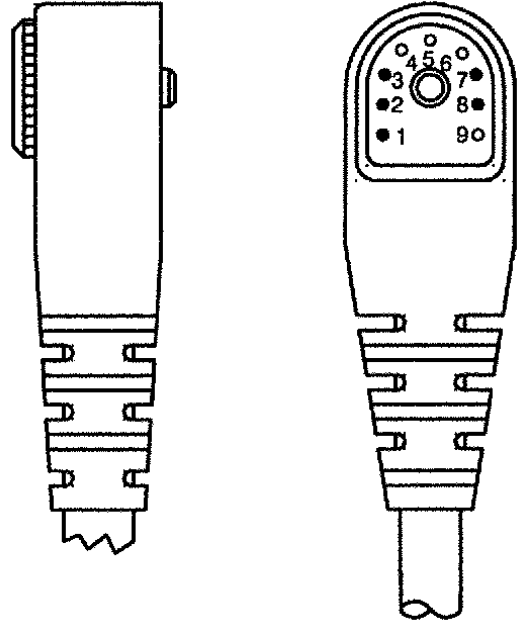
CONNECTOR

**9-PIN CONXALL**CONNECTOR WIRING AT RADIO ENDCONNECTOR TYPE: 9-PIN CONXALL PLUG  
(CONXALL #E1518)

## CONNECTOR PIN ASSIGNMENTS:

PIN 1 RED  
PIN 2 DRAIN  
PIN 3 YELLOW  
PIN 4 NO CONNECTION (HOLE MOLDED CLOSED)  
PIN 5 NO CONNECTION (HOLE MOLDED CLOSED)  
PIN 6 NO CONNECTION (HOLE MOLDED CLOSED)  
PIN 7 BLACK  
PIN 8 BLUE  
PIN 9 NO CONNECTION (HOLE MOLDED CLOSED)

WHITE CONDUCTOR NOT USED

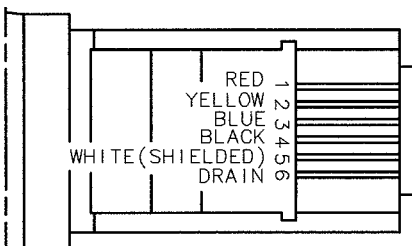


## INSTRUCTION TAG

**IMPORTANT INFORMATION!**  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 590T MICROPHONES ONLY

For CHANNEL GUARD™ or scanning option, cut  
blue wire to hang-up button in microphone or install  
logic inverter in radio.

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STANDARD MICROPHONE-END CONNECTOR WIRING  
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-41

CONNECTOR

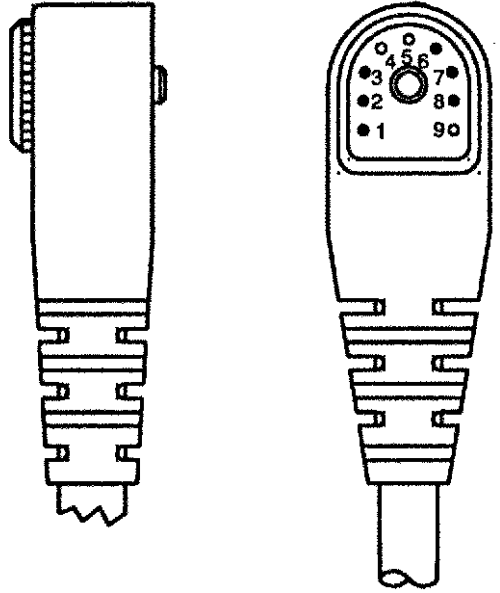
## 9-PIN CONXALL

### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 9-PIN CONXALL PLUG  
(CONXALL #E1518)

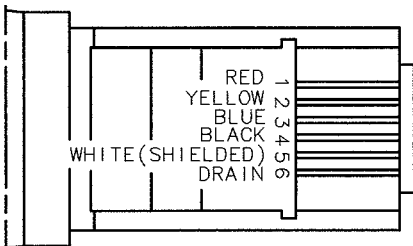
### CONNECTOR PIN ASSIGNMENTS:

PIN 1	WHITE
PIN 2	DRAIN
PIN 3	YELLOW
PIN 4	NO CONNECTION (HOLE MOLDED CLOSED)
PIN 5	NO CONNECTION (HOLE MOLDED CLOSED)
PIN 6	RED
PIN 7	BLACK
PIN 8	BLUE
PIN 9	NO CONNECTION (HOLE MOLDED CLOSED)



INSTRUCTION TAG  
29J2127  
INCLUDED WITH CORD  
(could not be located)

### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-42

CONNECTOR

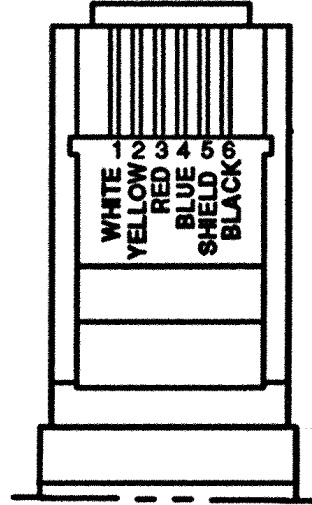
## 6-PIN MODULAR

### CONNECTOR WIRING AT RADIO END

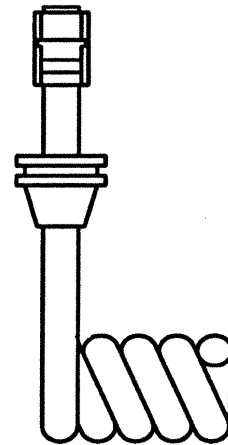
CONNECTOR TYPE: RJ-45 6-PIN MODULAR PLUG

CONNECTOR PIN ASSIGNMENTS:

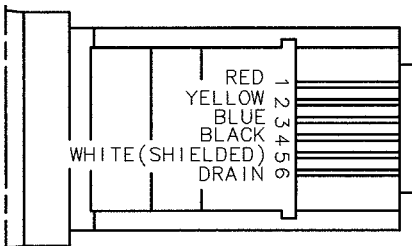
PIN 1	NO CONNECTION (WHITE LEAD OCCUPYING SLOT; NO CONTACT USED)
PIN 2	YELLOW
PIN 3	RED
PIN 4	BLUE
PIN 5	SHIELD
PIN 6	NO CONNECTION (BLACK LEAD OCCUPYING SLOT; NO CONTACT USED)



CONNECTOR WIRING DETAIL  
(LOCKING PIN ON REVERSE SIDE)



### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

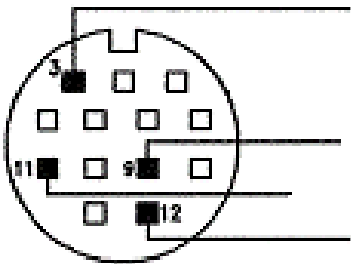
**ALM-43**

CONNECTOR

**13-PIN HIROSE**CONNECTOR WIRING AT RADIO ENDCONNECTOR TYPE: 13-PIN HIROSE PLUG (4 PINS USED)  
HIROSE PART# RP13A-12PB-13SC

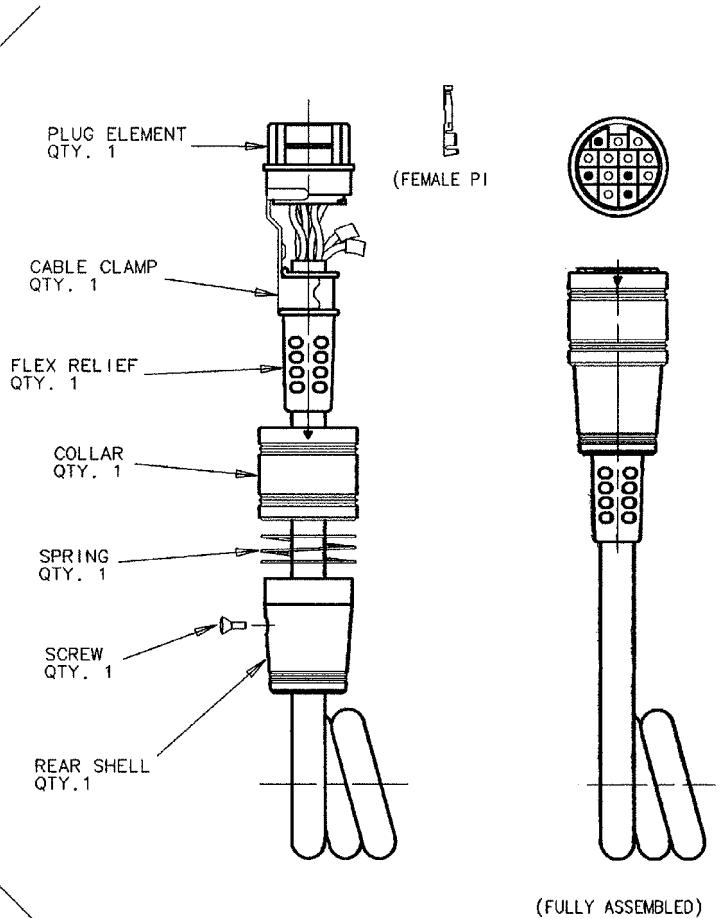
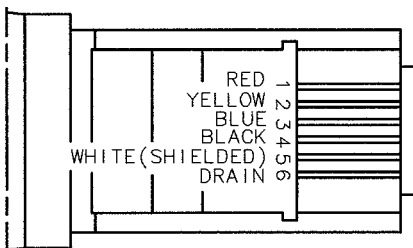
## CONNECTOR PIN ASSIGNMENTS:

PIN 1 NO CONNECTION  
PIN 2 NO CONNECTION  
PIN 3 SHIELD  
PIN 4 NO CONNECTION  
PIN 5 NO CONNECTION  
PIN 6 NO CONNECTION  
PIN 7 NO CONNECTION  
PIN 8 NO CONNECTION  
PIN 9 YELLOW  
PIN 10 NO CONNECTION  
PIN 11 RED  
PIN 12 BLUE  
PIN 13 NO CONNECTION



SHOWN FROM OUTSIDE OF CONNECTOR

CONNECTOR

STANDARD MICROPHONE-END CONNECTOR WIRING  
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

**ALM-44**

CONNECTOR

MODULAR 6-PIN

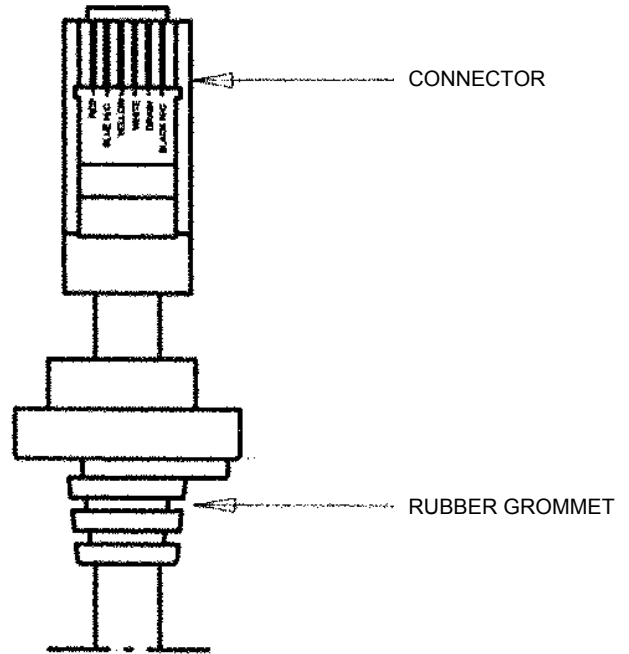
CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 6-PIN

## CONNECTOR PIN ASSIGNMENTS:

PIN 1	RED
PIN 2	NO CONNECTION (BLUE LEAD OCCUPYING SLOT; NO CONTACT USED)
PIN 3	YELLOW
PIN 4	WHITE
PIN 5	DRAIN
PIN 6	NO CONNECTION (BLACK LEAD OCCUPYING SLOT; NO CONTACT USED)

NOTE: RUBBER GROMMET SUPPLIED BY  
TAIT MOBILE RADIO INC.  
MARKHAM, ONTARIO, CANADA  
PART NUMBER 360-02003-00



CONNECTOR WIRING DETAIL  
(LOCKING TAB ON REVERSE SIDE)

## INSTRUCTION TAG

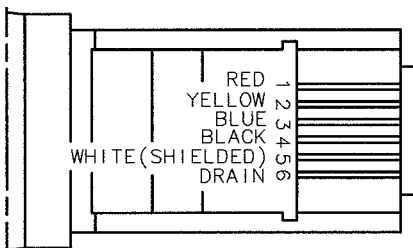
**IMPORTANT!**  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODELS 550T, 590T, 885TT MICROPHONES

When using early production 885TT microphones, red jumper from D-E (W301) must be removed. In later production units, red jumper D-E (W301) is moved to location F-G (W309), per user guide instructions. (No modification required for models 550T and 590T.)

For Tait radios requiring CTCSS function, the following modification is required. Open microphone and access main PCB assembly. Remove blue wire from hangup button to PCB. Solder a 12 kilohm resistor from the hangup button to the yellow wire terminal on the PTT switch. Insulate resistor with tape to prevent shorting. This allows proper CTCSS operation when used with a grounded hangup bracket.

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STANDARD MICROPHONE-END CONNECTOR WIRING  
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-45

CONNECTOR

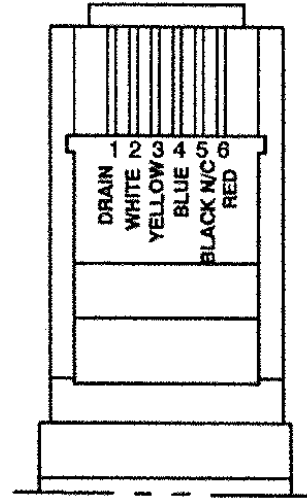
## MODULAR 6-PIN

### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 6-PIN

### CONNECTOR PIN ASSIGNMENTS:

PIN 1	DRAIN
PIN 2	WHITE
PIN 3	YELLOW
PIN 4	BLUE
PIN 5	NO CONNECTION (BLACK LEAD OCCUPYING SLOT; NO CONTACT USED)
PIN 6	RED



CONNECTOR WIRING DETAIL  
(LOCKING TAB ON REVERSE SIDE)

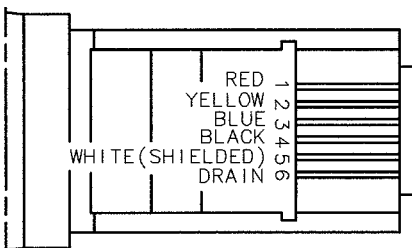
### INSTRUCTION TAG

**IMPORTANT INFORMATION!**  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 590T, 885TT, AND 890TT  
MICROPHONES

When using early production 885TT or 890TT microphones, red jumper from D-E (W301) must be removed. In later production units, the red jumper D-E (W301) is moved to location F-G (W309), per data sheet instructions. (No modification required for Model 590T microphone.)

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### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

**ALM-46**

CONNECTOR

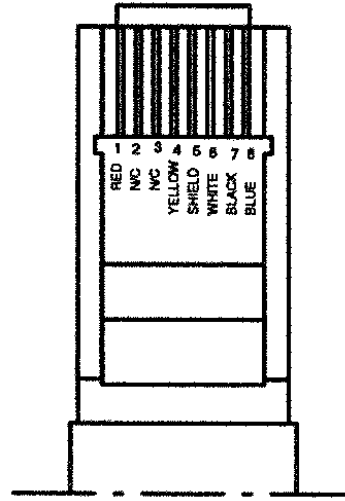
MODULAR 8-PIN

CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

## CONNECTOR PIN ASSIGNMENTS:

PIN 1	RED
PIN 2	NO CONNECTION
PIN 3	NO CONNECTION
PIN 4	YELLOW
PIN 5	SHIELD
PIN 6	WHITE
PIN 7	BLACK
PIN 8	BLUE

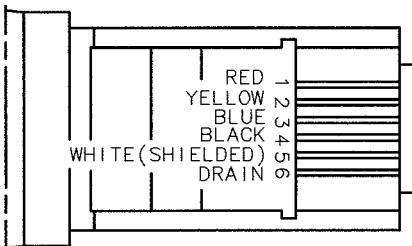
CONNECTOR WIRING DETAIL  
(LOCKING TAB ON REVERSE SIDE)

## INSTRUCTION TAG

**IMPORTANT INFORMATION!**  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 590T, 885TT, AND 890TT  
MICROPHONES

When using early production 885TT or 890TT microphones, red jumper from D-E (W301) must be removed. In later production units, the red jumper D-E (W301) is moved to location F-G (W309), per data sheet instructions. (No modification required for Model 590T microphone.)

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STANDARD MICROPHONE-END CONNECTOR WIRING  
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND



# SHURE®

MODEL NUMBER

## ALM-47

CONNECTOR

## MODULAR 8-PIN

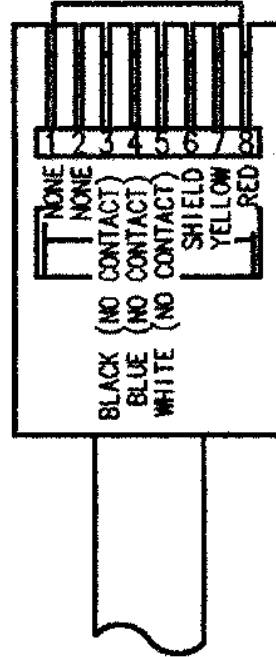
### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

### CONNECTOR PIN ASSIGNMENTS:

- PIN 1 NO CONNECTION
- PIN 2 NO CONNECTION
- PIN 3 NO CONNECTION (BLACK LEAD OCCUPYING SLOT; NO CONTACT USED)
- PIN 4 NO CONNECTION (BLUE LEAD OCCUPYING SLOT; NO CONTACT USED)
- PIN 5 NO CONNECTION (WHITE LEAD OCCUPYING SLOT; NO CONTACT USED)
- PIN 6 SHIELD
- PIN 7 YELLOW
- PIN 8 RED

### CONNECTOR WIRING DETAIL (LOCKING TAB ON REVERSE SIDE)



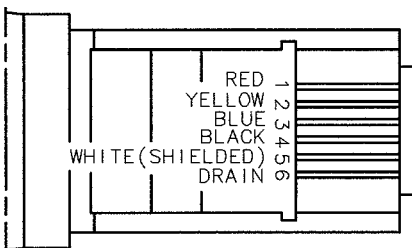
### INSTRUCTION TAG

**IMPORTANT INFORMATION!**  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 590T, 885TT, AND 890TT  
MICROPHONES

When using early production 885TT or 890TT microphones, red jumper from D-E (W301) must be removed. In later production units, the red jumper D-E (W301) is moved to location F-G (W309), per data sheet instructions. (No modification required for Model 590T microphone.)

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### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

- RED AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
- WHITE NON-AMPLIFIED AUDIO OUTPUT
- YELLOW PTT SWITCH
- BLACK PTT SWITCH GROUND
- BLUE HANG-UP BUTTON
- DRAIN GROUND

# SHURE®

MODEL NUMBER

## ALM-48

CONNECTOR

## 8-PIN MODULAR

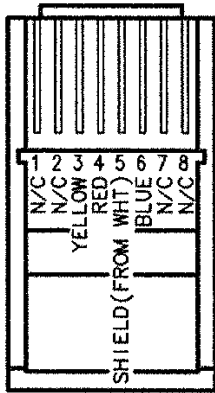
### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

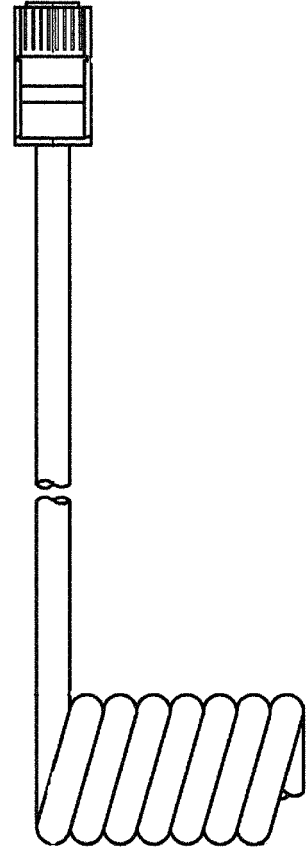
#### CONNECTOR PIN ASSIGNMENTS:

PIN 1 NO CONNECTION  
PIN 2 NO CONNECTION  
PIN 3 YELLOW  
PIN 4 RED  
PIN 5 SHIELD  
PIN 6 BLUE  
PIN 7 NO CONNECTION  
PIN 8 NO CONNECTION

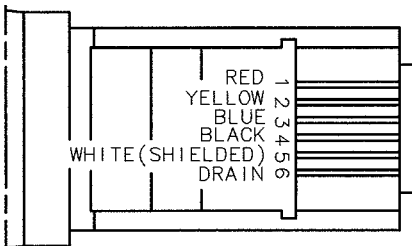
BLACK AND WHITE CONDUCTORS NOT USED



CONNECTOR WIRING DETAIL  
(LOCKING TAB ON REVERSE SIDE)



### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-49

CONNECTOR

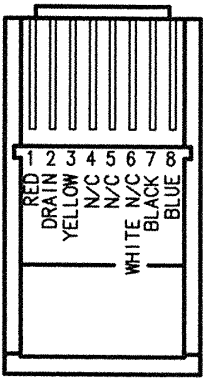
## 8-PIN MODULAR

### CONNECTOR WIRING AT RADIO END

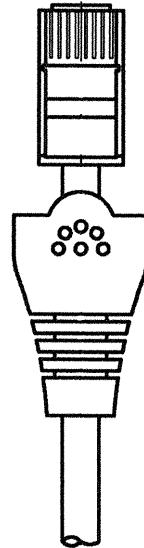
CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

CONNECTOR PIN ASSIGNMENTS:

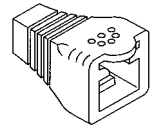
- PIN 1 RED
- PIN 2 DRAIN
- PIN 3 YELLOW
- PIN 4 NO CONNECTION
- PIN 5 NO CONNECTION
- PIN 6 NO CONNECTION (WHITE LEAD OCCUPYING SLOT; NO CONTACT USED)
- PIN 7 BLACK
- PIN 8 BLUE



CONNECTOR WIRING DETAIL  
(LOCKING TAB ON REVERSE SIDE)



RUBBER BOOT  
(Shure Part# 66A370)



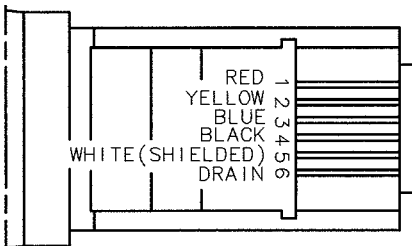
### INSTRUCTION TAG

**IMPORTANT INFORMATION!**  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 590T MICROPHONES ONLY

For CHANNEL GUARD™ or scanning option, cut blue wire to hang-up button in microphone or install logic inverter in radio.

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### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

- RED AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
- WHITE NON-AMPLIFIED AUDIO OUTPUT
- YELLOW PTT SWITCH
- BLACK PTT SWITCH GROUND
- BLUE HANG-UP BUTTON
- DRAIN GROUND

# SHURE®

MODEL NUMBER

## ALM-49A

CONNECTOR

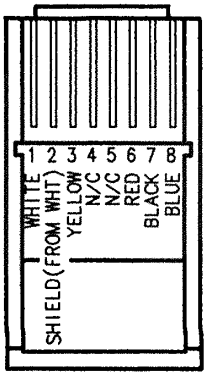
## 8-PIN MODULAR

### CONNECTOR WIRING AT RADIO END

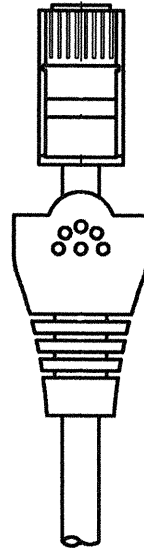
CONNECTOR TYPE: RJ-45 MODULAR 8-PIN

CONNECTOR PIN ASSIGNMENTS:

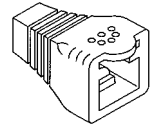
PIN 1	WHITE
PIN 2	SHIELD (FROM WHITE)
PIN 3	YELLOW
PIN 4	NO CONNECTION
PIN 5	NO CONNECTION
PIN 6	RED
PIN 7	BLACK
PIN 8	BLUE



CONNECTOR WIRING DETAIL  
(LOCKING TAB ON REVERSE SIDE)



RUBBER BOOT  
(Shure Part# 66A370)



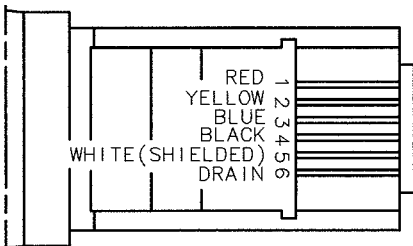
### INSTRUCTION TAG

**IMPORTANT INFORMATION!**  
CABLE AND CONNECTOR ASSEMBLY FOR  
MODEL 590T MICROPHONES ONLY

For CHANNEL GUARD™ or scanning option, cut  
blue wire to hang-up button in microphone or install  
logic inverter in radio.

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### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-51

CONNECTOR

## TWO-PRONG RIGHT-ANGLE

### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: TWO-PRONG RIGHT-ANGLE PLUG  
(3.5mm MONO PLUG AND 2.5mm MONO PLUG)

NOTE: CONNECTOR IS MOLDED ONTO CABLE, AND  
REQUIRES SPECIAL EQUIPMENT FOR INSTALLATION

### CONNECTOR WIRING:

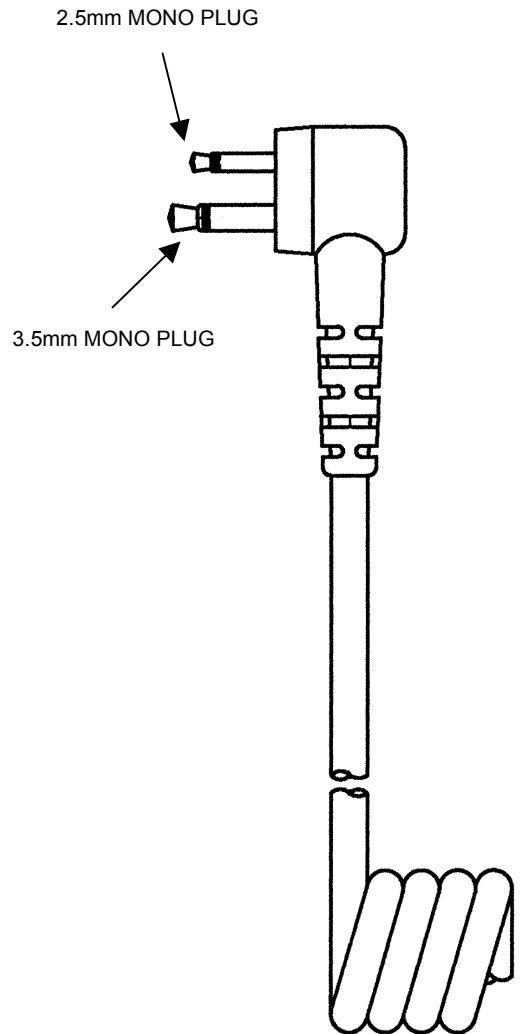
#### 2.5mm MONO PLUG:

TIP            WHITE  
SLEEVE       SHIELD

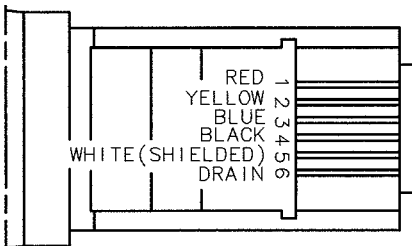
#### 3.5mm MONO PLUG:

TIP            BLUE  
SLEEVE       BLACK

RED AND YELLOW CONDUCTORS NOT USED



### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-52

CONNECTOR

## TWO-PRONG STRAIGHT

### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: TWO-PRONG STRAIGHT PLUG  
(3.5mm MONO PLUG AND 2.5mm MONO PLUG)

NOTE: THIS CONNECTOR IS MOLDED ONTO THE CABLE, AND CANNOT BE INSTALLED WITHOUT SPECIAL EQUIPMENT

### CONNECTOR WIRING:

#### 2.5mm MONO PLUG:

TIP            WHITE  
SLEEVE       SHIELD

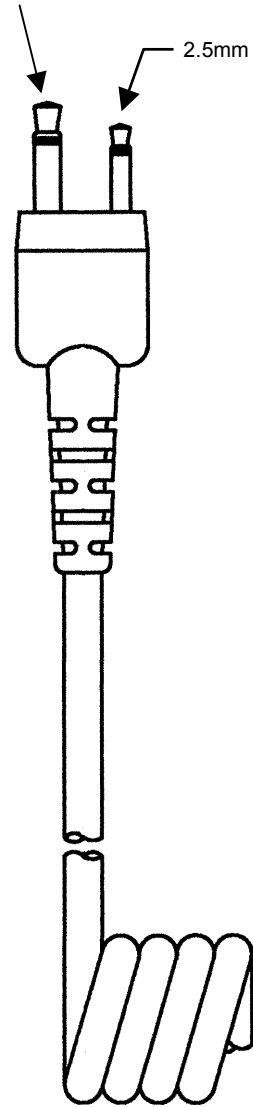
#### 3.5mm MONO PLUG:

TIP            BLUE  
SLEEVE       BLACK

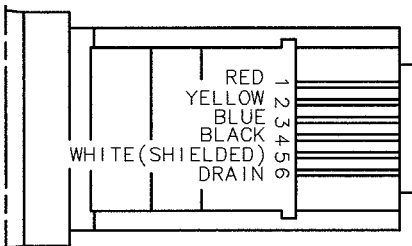
RED AND YELLOW CONDUCTORS NOT USED

3.5mm MONO PLUG

2.5mm MONO PLUG



### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

(LOCKING TAB ON REVERSE SIDE)

# SHURE®

MODEL NUMBER

## ALM-52RA

CONNECTOR

## TWO-PRONG RIGHT-ANGLE

### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: TWO-PRONG RIGHT-ANGLE PLUG  
(3.5mm MONO PLUG AND 2.5mm MONO PLUG)

NOTE: CONNECTOR IS MOLDED ONTO CABLE, AND  
REQUIRES SPECIAL EQUIPMENT FOR INSTALLATION

### CONNECTOR WIRING:

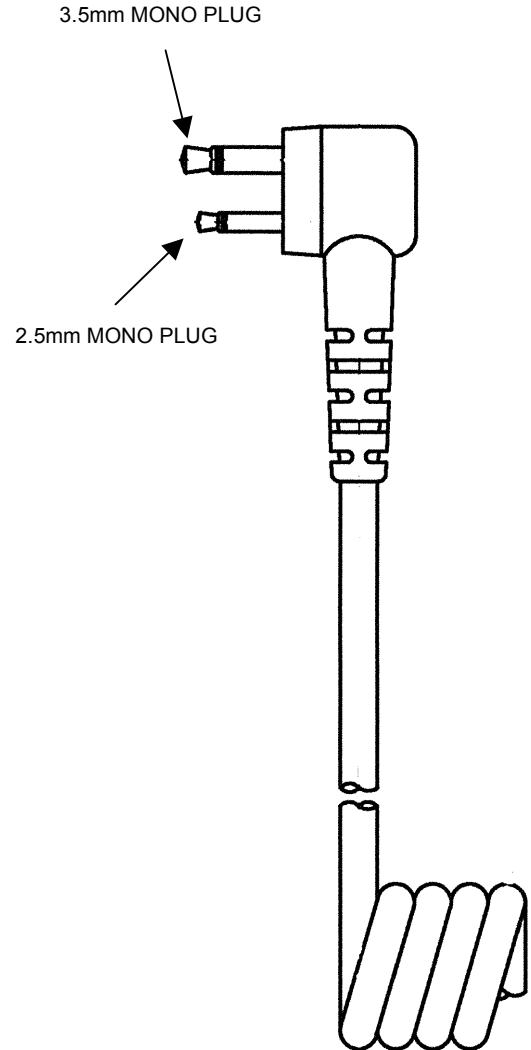
#### 2.5mm MONO PLUG:

TIP            WHITE  
SLEEVE       SHIELD

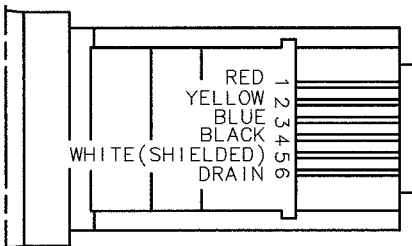
#### 3.5mm MONO PLUG:

TIP            BLUE  
SLEEVE       BLACK

RED AND YELLOW CONDUCTORS NOT USED



### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-53

CONNECTOR

## TWO-PRONG RIGHT-ANGLE

### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: TWO-PRONG RIGHT-ANGLE PLUG  
(3.5mm STEREO PLUG AND 2.5mm MONO PLUG)

NOTE: CONNECTOR IS MOLDED ONTO CABLE, AND REQUIRES SPECIAL EQUIPMENT FOR INSTALLATION

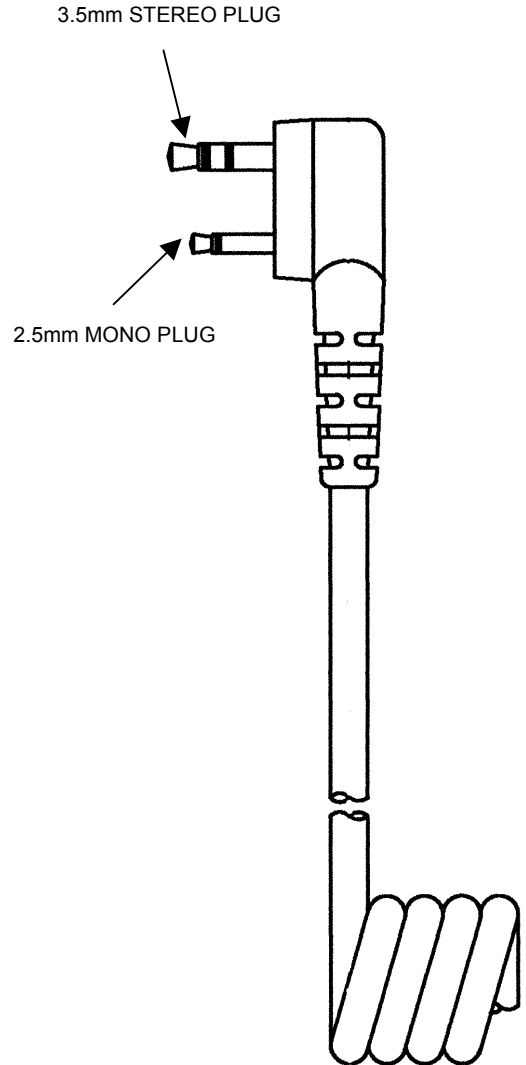
### CONNECTOR WIRING:

#### 2.5mm MONO PLUG:

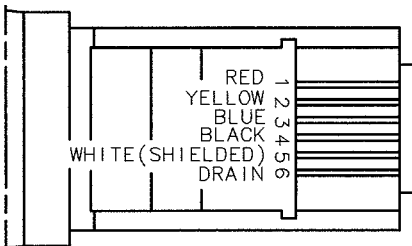
TIP	BLUE
SLEEVE	BLACK & YELLOW

#### 3.5mm STEREO PLUG:

TIP	RED
RING	WHITE
SLEEVE	SHIELD



### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

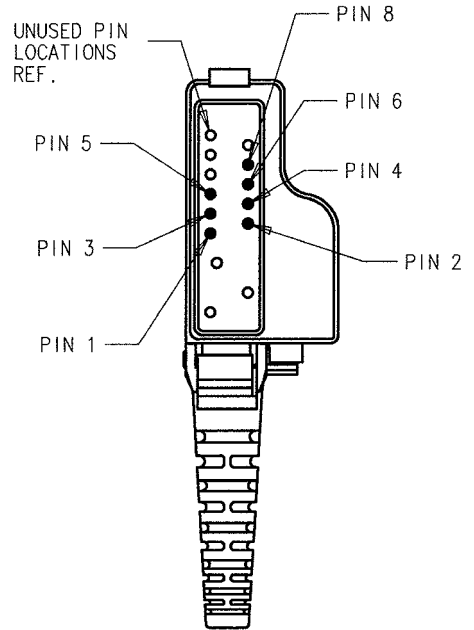


CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: MOTOROLA JEDI CONNECTOR  
(SHURE PART# 95B2156, SUPPLIED BY  
DTC COMMUNICATIONS, INC.)

NOTE: CONDUCTORS ARE SOLDERED TO A PC BOARD INSIDE  
THE CONNECTOR, NOT DIRECTLY TO CONNECTOR PINS

<u>CONDUCTOR</u>	<u>PC BOARD CONNECTION</u>	<u>PIN ON CONNECTOR</u>
RED	S5	4
YELLOW	S6	5
BLUE	S4	2
BLACK	S7	6
WHITE	S1	3
DRAIN	S3	1, 8



INSTRUCTION TAG

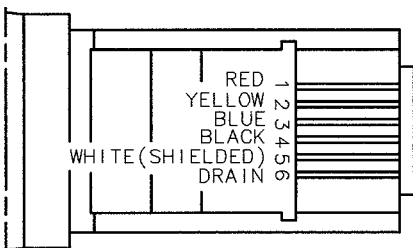
**ALM-54 MODULINK CORDSET**

For use with Shure Model 810M Speaker Microphone  
and Motorola Models HT1000, GP1200, MT2000,  
XTS3000, MTX838, MTX8000, MTX9000  
Portable Radios only.

Not for use with Shure 810 Speaker Microphones.

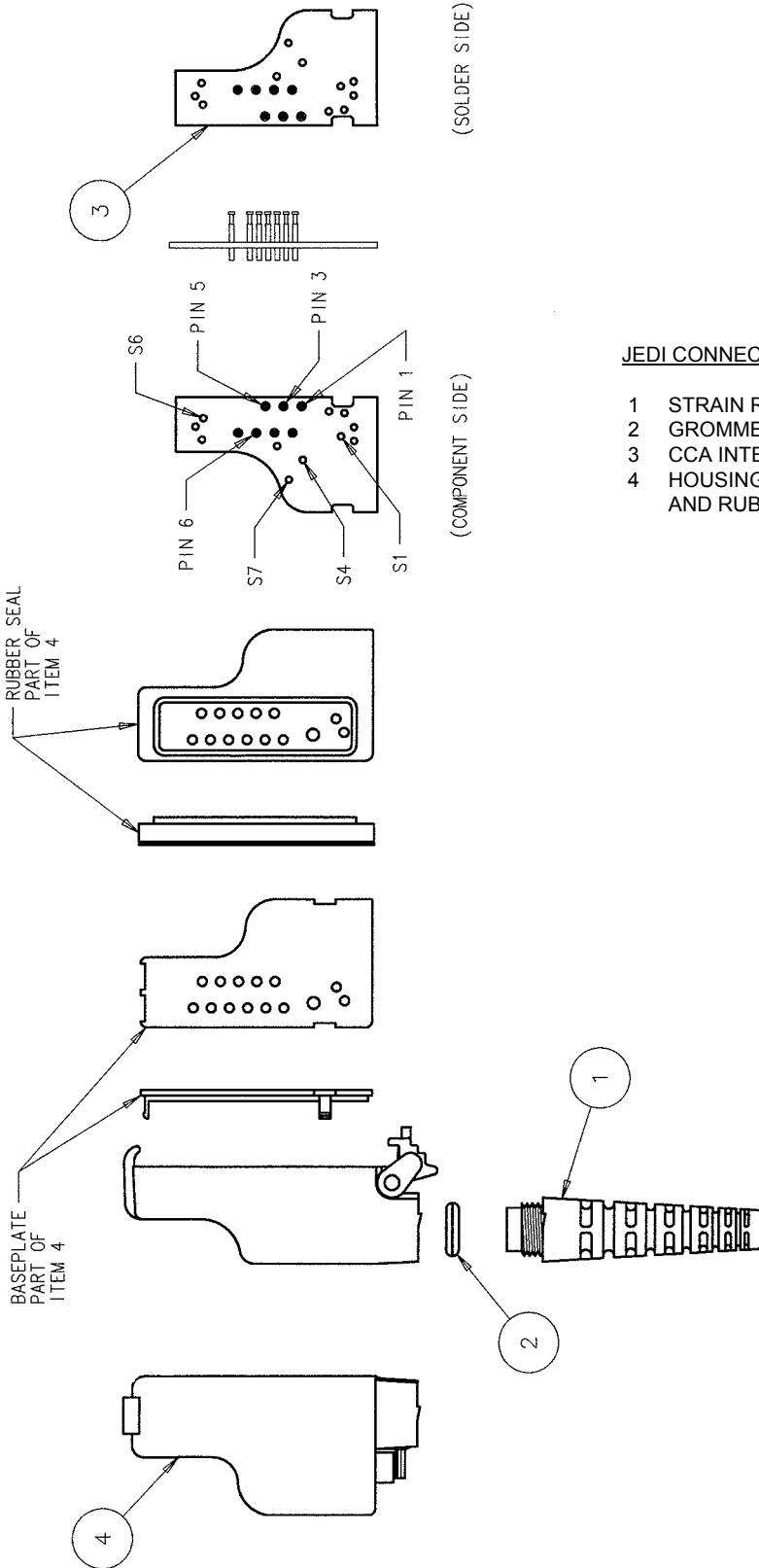
29P2127

**STANDARD MICROPHONE-END CONNECTOR WIRING  
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES**



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND



JEDI CONNECTOR COMPONENTS

- 1 STRAIN RELIEF
- 2 GROMMET
- 3 CCA INTERFACE
- 4 HOUSING (INCLUDES BASE PLATE AND RUBBER SEAL)

# SHURE®

MODEL NUMBER

**ALM-85**

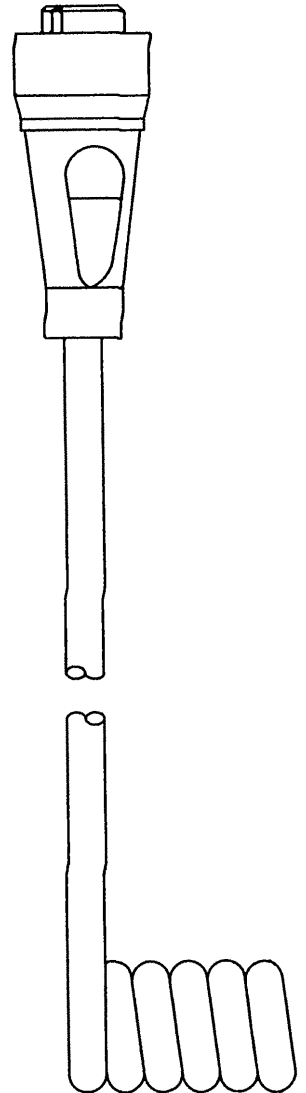
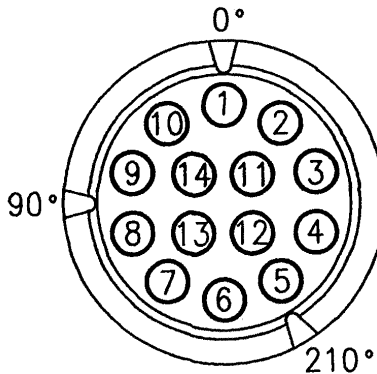
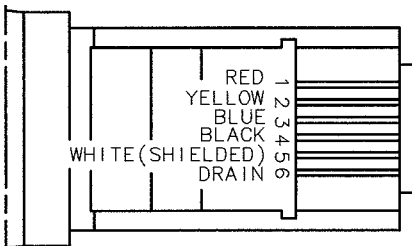
CONNECTOR

**14-PIN ROUND**CONNECTOR WIRING AT RADIO ENDCONNECTOR TYPE: 14-PIN ROUND PLUG  
(ALDEN PL700N-GP)NOTE: CONNECTOR IS MOLDED ONTO CABLE AND  
REQUIRES SPECIAL EQUIPMENT FOR INSTALLATION

## CONNECTOR PIN ASSIGNMENTS:

PIN 1 RED  
PIN 2 BLACK  
PIN 3 NO CONNECTION  
PIN 4 NO CONNECTION  
PIN 5 YELLOW  
PIN 6 NO CONNECTION  
PIN 7 BLUE  
PIN 8 SHIELD  
PIN 9 NO CONNECTION  
PIN 10 NO CONNECTION  
PIN 11 NO CONNECTION  
PIN 12 NO CONNECTION  
PIN 13 NO CONNECTION  
PIN 14 NO CONNECTION

WHITE CONDUCTOR NOT USED

STANDARD MICROPHONE-END CONNECTOR WIRING  
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

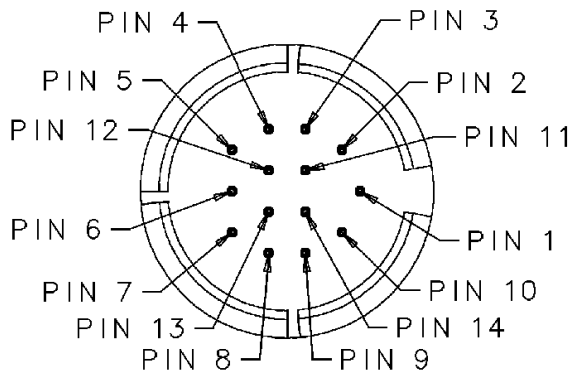
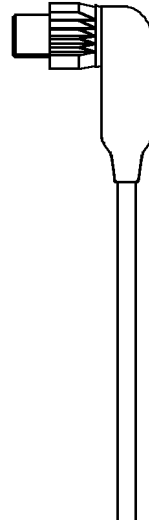
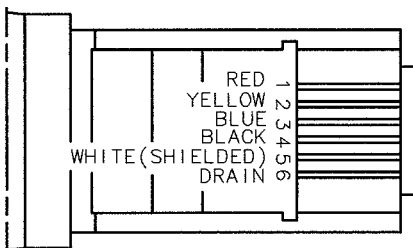
**ALM-85RA**

CONNECTOR

**14-PIN ROUND RT. ANGLE**CONNECTOR WIRING AT RADIO ENDCONNECTOR TYPE: 14-PIN ROUND RIGHT-ANGLE PLUG  
(ALDEN PART NUMBER 106825)NOTE: CONNECTOR IS MOLDED ONTO CABLE AND  
REQUIRES SPECIAL EQUIPMENT FOR INSTALLATION

## CONNECTOR PIN ASSIGNMENTS:

PIN 1 RED  
PIN 2 BLACK  
PIN 3 NO CONNECTION  
PIN 4 NO CONNECTION  
PIN 5 YELLOW  
PIN 6 NO CONNECTION  
PIN 7 BLUE  
PIN 8 SHIELD  
PIN 9 NO CONNECTION  
PIN 10 NO CONNECTION  
PIN 11 NO CONNECTION  
PIN 12 NO CONNECTION  
PIN 13 NO CONNECTION  
PIN 14 NO CONNECTION

NOTE: LOCATION OF PIN 1  
IS DENOTED BY A GROOVE  
IN THE CONNECTOR BODYBACK VIEW OF RIGHT  
ANGLE PLUG  
(SOLDER CUPS)STANDARD MICROPHONE-END CONNECTOR WIRING  
AND WIRE FUNCTIONS FOR ALL MODULINK CABLES

(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-86

CONNECTOR

## 5-PIN ROUND

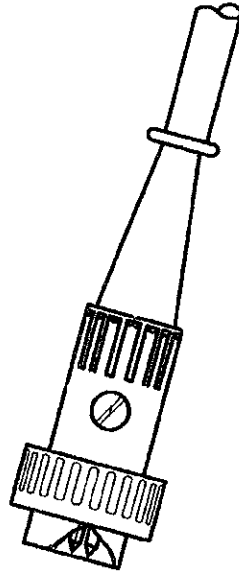
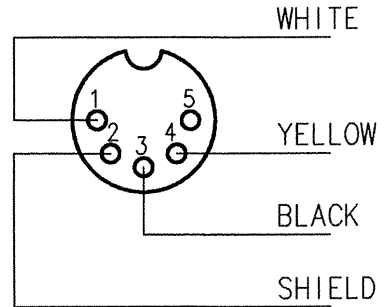
### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 5-PIN ROUND PLUG  
(SWITCHCRAFT PART# 12CL5M)

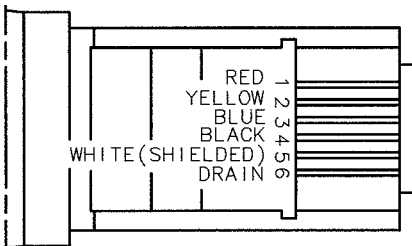
### CONNECTOR PIN ASSIGNMENTS:

PIN 1 WHITE  
PIN 2 SHIELD  
PIN 3 BLACK  
PIN 4 YELLOW  
PIN 5 NO CONNECTION

RED AND BLUE CONDUCTORS NOT USED



### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



RED AMPLIFIED AUDIO OUTPUT, AND  
DC BIAS VOLTAGE INPUT  
WHITE NON-AMPLIFIED AUDIO OUTPUT  
YELLOW PTT SWITCH  
BLACK PTT SWITCH GROUND  
BLUE HANG-UP BUTTON  
DRAIN GROUND

(LOCKING TAB ON REVERSE SIDE)

# SHURE®

MODEL NUMBER

## ALM-87

CONNECTOR

## 5-PIN TINY-QG

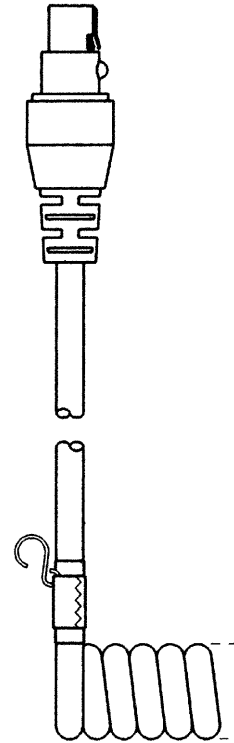
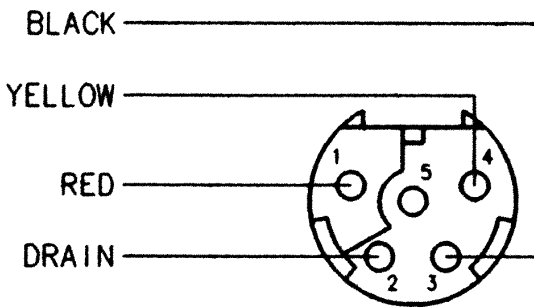
### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 5-PIN SWITCHCRAFT TINY-QG

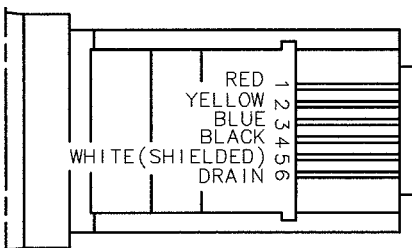
NOTE: CONNECTOR IS OVERMOLDED ONTO CABLE. SPECIAL EQUIPMENT IS REQUIRED FOR ASSEMBLY.

PIN 1 RED  
PIN 2 DRAIN  
PIN 3 BLACK  
PIN 4 YELLOW  
PIN 5 NO CONNECTION

WHITE AND BLUE CONDUCTORS NOT USED



### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-88

CONNECTOR

## PJ-068 PHONE PLUG

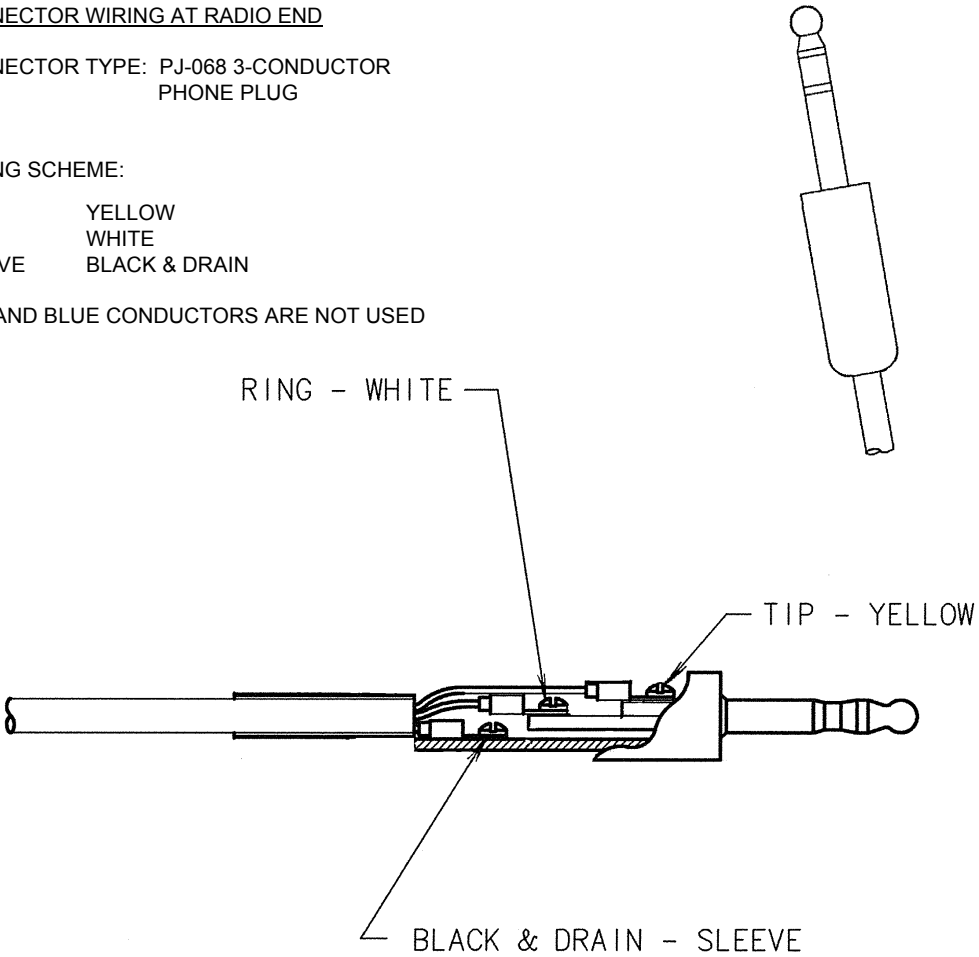
### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: PJ-068 3-CONDUCTOR  
PHONE PLUG

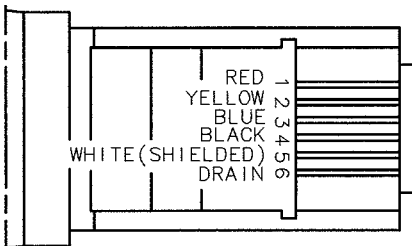
### WIRING SCHEME:

TIP           YELLOW  
RING         WHITE  
SLEEVE       BLACK & DRAIN

RED AND BLUE CONDUCTORS ARE NOT USED



### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND

# SHURE®

MODEL NUMBER

## ALM-88RA

CONNECTOR

## RT. ANGLE PHONE PLUG

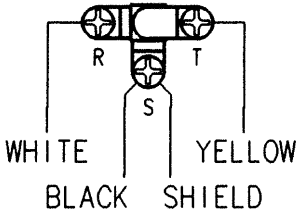
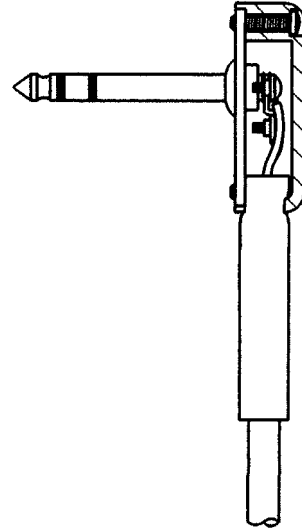
### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 3-CONDUCTOR RIGHT-ANGLE PHONE PLUG  
(SWITCHCRAFT PART# S230)

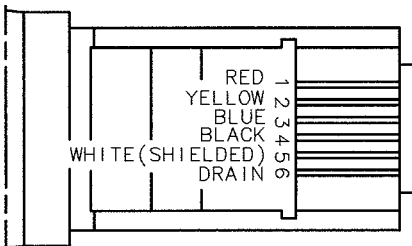
### WIRING SCHEME:

TIP	YELLOW
RING	WHITE
SLEEVE	BLACK & SHIELD/DRAIN

RED AND BLUE CONDUCTORS ARE NOT USED



### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND



# SHURE®

MODEL NUMBER

## ALM-89

CONNECTOR

## 4-PIN XLR PLUG

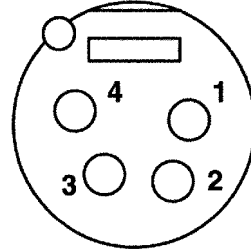
### CONNECTOR WIRING AT RADIO END

CONNECTOR TYPE: 4-PIN MALE XLR PLUG  
(Switchcraft A4M)

CONNECTOR PIN ASSIGNMENTS:

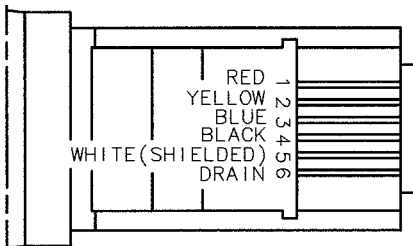
PIN 1 YELLOW  
PIN 2 BLACK  
PIN 3 WHITE  
PIN 4 SHIELD OF WHITE LEAD

RED AND BLUE CONDUCTORS ARE NOT USED



CONNECTOR PIN CONFIGURATION

### STANDARD MICROPHONE-END CONNECTOR WIRING AND WIRE FUNCTIONS FOR ALL MODULINK CABLES



(LOCKING TAB ON REVERSE SIDE)

RED	AMPLIFIED AUDIO OUTPUT, AND DC BIAS VOLTAGE INPUT
WHITE	NON-AMPLIFIED AUDIO OUTPUT
YELLOW	PTT SWITCH
BLACK	PTT SWITCH GROUND
BLUE	HANG-UP BUTTON
DRAIN	GROUND