

# Radio Interface Cable

For NCS-C250 Mobile Multi-Switcher

NCS Model Number

## NCS-250-MGA-XX

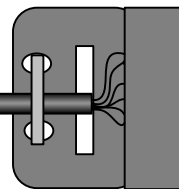
### Compatible Radios:

Motorola XPR4000/5000 Series
Motorola DM3400/DM3600/DM4400/DM4401/DM4600/DM4601
Motorola XIR M8620/M8628/8660/8668
Motorola XIR M8220/M8228/M8260
Motorola XIR M3188/M3688/M6660
Motorola DGM5000/8000 Series

To NCS-C250 Radio  
Input Jack



Cable Marking



To Radio Accessory  
Connector

### RJ-45

Pin #	Wire Color	Function
1	White	Mic Hi
2	Green	Mic Lo
3	Brown	PTT
4	Black	Ground
5	Yellow	Rx Audio
6	Shield	Ground
7	Red	NC
8	Orange	COR*

**\*Works only on units with COR  
Option Installed**

### PMLN5072A

1	nc
2	NC
3	NC
4	NC
5	NC
6	NC
7	NC
8	NC
9	NC
10	NC
11	White
12	Green
13	NC
14	Yellow
15	NC

16	Black
17	Brown
18	NC
19	Orange
20	NC
21	NC
22	NC
23	NC
24	NC
25	NC
26	NC

### Cable Wiring

SEE NOTES ON PAGE 2

## **NCS-250-MGA – NOTES**

### **If the radio does not have the *Direct Connect Option Board* installed:**

The following must be programmed in the radio using the Motorola CPS to properly configure certain pins of the Accessory Connector. Under Accessory Configuration set the following parameters:

- A. Pin #1 - External Mic. PTT (input) *Active Low*. Sets Accessory Pin 17 as PTT.
- B. Pin #2 - PL/Talkgroup Detect (output) *Active High*. Sets Accessory Pin 19 as COR.

### **If the radio has the *Direct Connect Option Board* installed:**

If the radio has the Direct Connect Option Board installed perform the following programming steps:

- A. Program the **Option Board Generic Input #1** for **External PTT**. This causes Pin 17 of the accessory connector in the Motorola CPS software to be **Generic Input #1, Active Low**.
- B. In the Motorola CPS under Accessory Configuration set the following parameters:  
Pin #2 - PL/Talkgroup Detect (output) *Active High*. Sets Accessory Pin 19 as COR.