



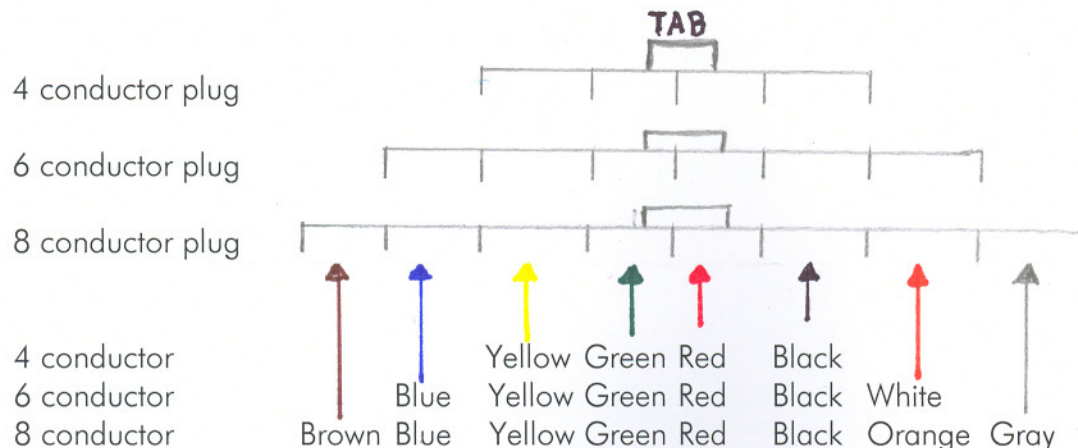
## RJ PLUG CONNECTIONS FOR THE SIGNAL SYSTEM

The Atlas 21<sup>st</sup> Century Signal System and the Custom Signals Modular Signal System both use the standard DATA connections for all the modular wiring. DATA connections differ from VOICE (telephone) connections because all of the modular plugs go on the wires in the same manner. Telephone installers reversed the plugs at each end of the wire in order for the wire to lay flat. All telephone equipment is designed for this type of installation (reversed). Data installers did not want to worry about which way the plug was facing at the other end of the wire, so all the equipment was designed to accept the plugs connected in the same manner (straight).

For the signal system we use flat modular wire. The wire we use can be 4 conductor (2 pair), 6 conductor (3 pair) or 8 conductor (4 pair). The color arrangement is the same for all the wires with the only difference being that some of the colors are missing. The standard arrangement is as follows.

4 conductor		Yellow	Green	Red	Black		
6 conductor	Blue	Yellow	Green	Red	Black	White	
8 conductor	Brown	Blue	Yellow	Green	Red	Black	Orange Gray

To insert the wire correctly, hold the plug with the opening facing toward you and the tab facing up. The modular wire will go into the back of the plug with the BLACK WIRE to the right regardless of the number of conductors. Remember that all modular connections are made in the center of the plug. If you are using a 4 conductor wire in a 6 position plug, you must center the wire in the plug and the outside slot on each side (Blue and White positions) will be open. Follow the illustration below.



If your plug goes into the crimping tool tab side down, reverse the order.