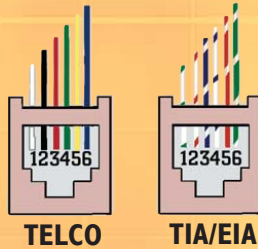


**MATRIX FOR APPLICATION SPECIFIC PAIR ASSIGNMENT FOR 8-POSITION MODULAR CONNECTOR (RJ-45)**

| APPLICATION    | PIN#  | 1 & 2 | 3 & 6 | 4 & 5 | 7 & 8 | 2 & 7 | 1 & 8 |
|----------------|-------|-------|-------|-------|-------|-------|-------|
| Analog USOC    |       | -     | T2/R2 | R1/T1 | -     | T3/R3 | T4/R4 |
| 10/100 Base TX | TX    |       | RX    | -     | -     | -     | -     |
| Token Ring     |       | -     | TX    | RX    | -     | -     | -     |
| TP-PMD         | TX    |       | -     | -     | RX    | -     | -     |
| ATM User       | TX    |       | -     | -     | RX    | -     | -     |
| ATM Hub        | RX    |       | -     | -     | TX    | -     | -     |
| 1000 BASE-T    | TX/RX |       | TX/RX | TX/RX | TX/RX | -     | -     |
| T-568A         |       | T3/R3 | T2/R2 | R1/T1 | T4/R4 | -     | -     |
| T-568B         |       | T2/R2 | T3/R3 | R1/T1 | T4/R4 | -     | -     |
| T2/T3          |       | RX    | -     | TX    | -     | -     | -     |
| ISDN           |       | Power | RX    | TX    | Power | -     | -     |

TX=Transmit RX=Receive Bi=Bidirectional

## TIA/EIA - Telco Wire Color Conversion



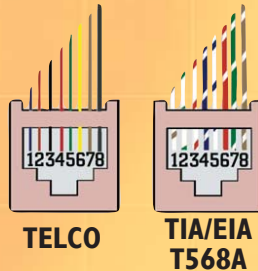
### **6 POSITION-6 CONDUCTOR**

**Modular Jack Type:** 6 Position/6 Conductor

**Contact Position:** 1 2 3 4 5 6

**Telco Wire Color:** W BK R G Y BL

**TIA/EIA Wire Color:** W/G W/O BL/W W/BL O/W G/W



### **8 POSITION-8 CONDUCTOR**

**Modular Jack Type:** 8 Position/8 Conductor

**Contact Position:** 1 2 3 4 5 6 7 8

**Telco Wire Color:** BL OR BK R G Y BR SL

**TIA/EIA Wire Color:** W/BR W/G W/O BL/W W/BL O/W G/W BR/W

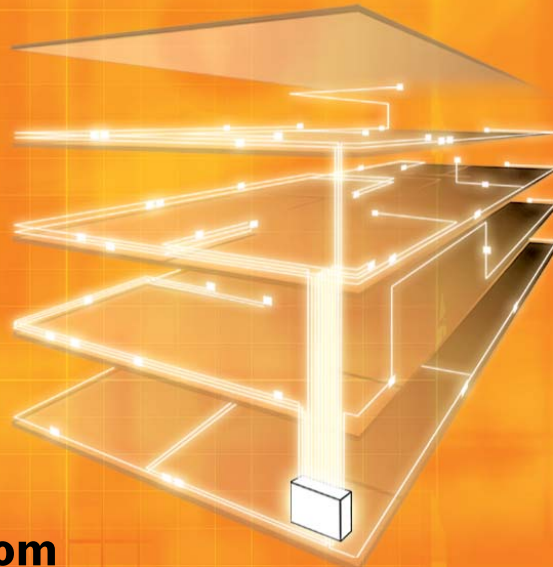
### TIA/EIA 606-A Termination Hardware Color Designation

| <b>COLOR</b> | <b>DESCRIPTION</b>     | <b>COLOR #</b> | <b>EXAMPLE</b>          |
|--------------|------------------------|----------------|-------------------------|
| White        | 1st Level Backbone     | -85            | MC/IC                   |
| Red          | Key System Connection  | -53            | N/A                     |
| Gray         | 2nd Level Backbone     | -48            | IC/HC                   |
| Yellow       | Miscellaneous          | -56            | Aux. Alarms             |
| Blue         | Horizontal Cable Terms | -62            | Station Cable           |
| Green        | Network Connections    | -51            | Customer Side Demarc    |
| Purple       | Common Equipment       | -57            | PBX, Host, LAN's, MUXES |
| Orange       | Demarcation Point      | -97            | C.O. Termination        |
| Brown        | Interbuilding Backbone | ----           | Cable between Buildings |

TX=Transmit RX=Receive Bi=Bidirectional

# SUTTLE

## POCKET WIRING GUIDE



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