RJ-45 Category 5 Network Cabling

Wire Coloring
- Pin 1 = Orange/White
- Pin 2 = Orange
- Pin 3 = Green/White
- Pin 4 = Blue
- Pin 5 = Blue/White
- Pin 6 = Green
- Pin 7 = Brown/White
- Pin 8 = Brown

Connector Pins

<table>
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<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
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Straight Through Cable
- Xmit – 1 --> 1
- Xmit – 2 --> 2
- Receive – 3 --> 3
- Not Used – 4 --> 4
- Not Used – 5 --> 5
- Receive – 6 --> 6
- Not Used – 7 --> 7
- Not Used – 8 --> 8

Crossover Cable
- Xmit – 1 --> 3 – Receive
- Xmit – 2 --> 6 – Receive
- Receive – 3 --> 1 – Xmit
- Not Used – 4 --> 4 – Not Used
- Not Used – 5 --> 5 – Not Used
- Receive – 6 --> 2 – Xmit
- Not Used – 7 --> 7 – Not Used
- Not Used – 8 --> 8 – Not Used