**Phantom Crossover Patch Ethernet Cable.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Phantom | | Circuit | Crossover | | Straight-through | |
| RJ45 pin | Wire Color | Wire Color | RJ45 pin | Wire Color | RJ45 pin |
| 1 | O/W | TxData+ | G/W | 1 | O/W | 1 |
| 2 | O | TxData- | G | 2 | O | 2 |
| 7 | G/W | RxData+ | O/W | 3 | G/W | 3 |
| 8 | G | RxData- | O | 6 | G | 6 |
| 3 | Bl | TCT | Bl | 4 | Bl | 4 |
| 6 | Bl/W | RCT | Bl/W | 5 | Bl/W | 5 |
| 4 | Brn/W | Bi-dir. Data | Brn/W | 7 | Brn/W | 7 |
| 5 | Brn | Bi-dir. Data | Brn | 8 | Brn | 8 |

Source: http://pinouts.ws/rj-45-pinout.html

| **Female** | **Male** |
| --- | --- |
| Ethernet Female | Ethernet Male |

| **Pin** | **Name** | **Description** | **One side** | **Another side** |
| --- | --- | --- | --- | --- |
| 1 | TX\_D1+ | Transceive data + | G/W | O/W |
| 2 | TX\_D1- | Transceive data - | G | O |
| 3 | RX\_D2+ | Receive data + | O/W | G/W |
| 4 | BI\_D3+ | Bi-directional Data+ | Bl | Bl |
| 5 | BI\_D3- | Bi-directional Data- | Bl/W | Bl/W |
| 6 | RX\_D2- | Receive data - | O | G |
| 7 | BI\_D4+ | Bi-directional Data+ | Br./W | Br./W |
| 8 | BI\_D4- | Bi-directional Data- | Br. | Br. |