**Signals with CAT6 T568B Termination:**  
(most CAT6 cables sold in the USA are this type)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Top RJ-45 Jack** | |  | **Bottom RJ-45 Jack** | |
| **Wire** | **Signal** |  | **Wire** | **Signal** |
|  |  |  |  |  |
| Orange | LED Strip #1 Data |  | Orange | LED Strip #5 Data |
| White/Orange | LED Strip #1 Ground |  | White/Orange | LED Strip #5 Ground |
| Blue | LED Strip #2 Data |  | Blue | LED Strip #6 Data |
| White/Blue | LED Strip #2 Ground |  | White/Blue | LED Strip #6 Ground |
| Green | LED Strip #3 Data |  | Green | LED Strip #7 Data |
| White/Green | LED Strip #3 Ground |  | White/Green | LED Strip #7 Ground |
| Brown | LED Strip #4 Data |  | Brown | LED Strip #8 Data |
| White/Brown | LED Strip #4 Ground |  | White/Brown | LED Strip #8 Ground |

**Signals with CAT6 T568A Termination:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Top RJ-45 Jack** | |  | **Bottom RJ-45 Jack** | |
| **Wire** | **Signal** |  | **Wire** | **Signal** |
|  |  |  |  |  |
| Green | LED Strip #1 Data |  | Green | LED Strip #5 Data |
| White/Green | LED Strip #1 Ground |  | White/Green | LED Strip #5 Ground |
| Blue | LED Strip #2 Data |  | Blue | LED Strip #6 Data |
| White/Blue | LED Strip #2 Ground |  | White/Blue | LED Strip #6 Ground |
| Orange | LED Strip #3 Data |  | Orange | LED Strip #7 Data |
| White/Orange | LED Strip #3 Ground |  | White/Orange | LED Strip #7 Ground |
| Brown | LED Strip #4 Data |  | Brown | LED Strip #8 Data |
| White/Brown | LED Strip #4 Ground |  | White/Brown | LED Strip #8 Ground |

To prepare the data cables, simply cut a CAT6 Ethernet cable in half and carefully strip away the outer jacket to expose long enough sections of the twisted pairs to reach all of your LED strips. Each twisted pair feeds the data input and ground of a single strip.