

## PMMI Lighting LLC Cat5 Cabling

*Purchase **ONLY solid copper Cat5 cable**. Copper coated aluminum which is half price will **NOT** work with our system. Links can be found at the bottom of the pricing page on the website for supplier suggestions.*

Recommended Cat5 cable color usage:

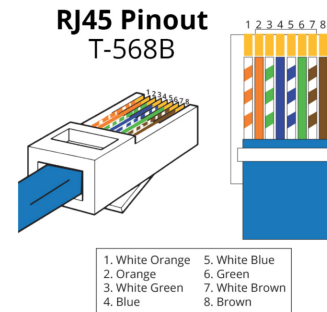
**Red** - Channels for PMMI LED fixture chains

**Green** - wall switch chains

**Yellow** - motion detectors

Using uncommon color-coded cable is important to distinguish between the different type cables, and also to distinguish between Cat5 cable used for the PMMI Lighting system and cables used for computer networks. *Plugging PMMI Lighting cables, and especially red fixture cables, into network ports on laptops, routers, or other computing hardware can damage that equipment and/or PMMI Lighting components.*

All cables should be terminated using RJ45 male connectors using the T568B termination standard as shown. Be sure to leave excess cable at both ends —minimum of 4' extra at the control panel and 2' extra at the component ends.



Label all cables terminating at the Control Panel. It is recommended that a label be attached to each cable identifying it with a separate consecutive number for each color – that is, separate numbering for each cable type/color. And then separately and on paper that is saved until the configuration step, identify each numerical label with a name identifying a Channel (e.g. Master Closet, Living Room North, Kitchen Under Cabinet), a wall switch location (e.g. Front Door, Master Closet Door), or motion detector location (e.g. Storage Closet).

PMMI Lighting supports Ethernet for Internet for security purposes. A Cat5 cable run between the router/firewall to the Control Panel is recommended.

**Print this page for reference on the job.**

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