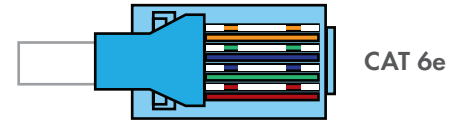


# Fiber Optic Wiring Guidelines:

## Residential Construction/Remodel

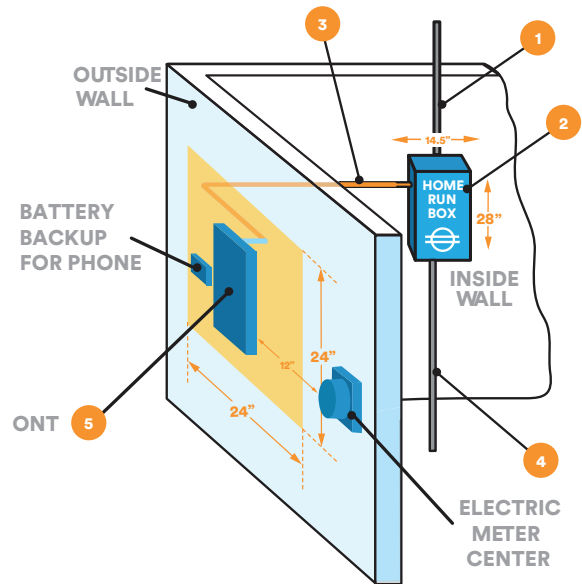
### THE RIGHT WIRING

Use Cat 6e for Fi-Speed Internet, Fi TV and Fi Phone for the fastest Internet and optimum TV picture quality.



### INSIDE & OUTSIDE CONNECTIONS

1. One-inch conduit path to attic (above insulation line) for future use.
2. Home Run Box
  - All wiring should be run within the home from a single distribution box located in garage, closet or basement.
  - Leave three feet of Cat 6e slack for each feed within the Home Run Box.
  - Include 120v electrical outlet in Home Run Box.
  - Might include alarm line to tie in with phone line and/or a wireless router.
3. One-inch conduit path from outdoor ONT to indoor Home Run Box that has no more than two 90-degree bends.
4. One-inch conduit path to unfinished basement or crawl space for future use.
5. Requires two Cat 6e lines with three feet of slack inside the box.



### IN-HOME WIRING

#### HOME RUN BOX

Run two Cat 6e feeds to each room. Leave 15 inches of slack at each outlet box.

#### LIVING ROOM

Requires two Cat 6e runs (although three is preferred in family rooms) and a single Cat 6e run\* for dedicated phone connection. **Any custom outlets** require separate Cat 6e feeds to be run directly back to the Home Run Box.

- Cat 6e runs to be placed next to an electrical outlet.
- EPB will make all terminations at each outlet and the Home Run Box.

