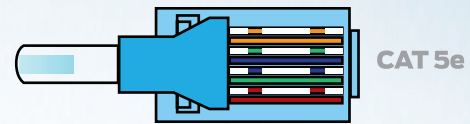


Fiber Optic Wiring Guidelines

RESIDENTIAL CONSTRUCTION/REMODELING

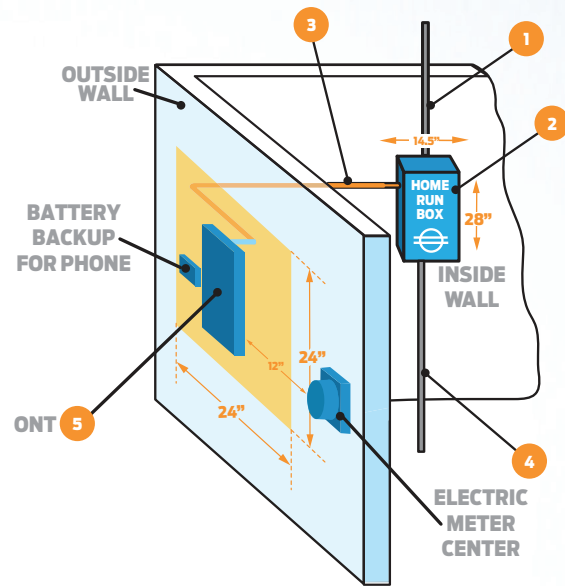
THE RIGHT WIRING

- Use Cat 5e 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 5e 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 5e lines with three feet of slack inside the box.



IN-HOME WIRING

Home Run Box

Run two Cat 5e feeds to each room. Leave 15 inches of slack at each outlet box.

Living Room

Requires two Cat 5e runs (although three is preferred in family rooms) and a single Cat 5e run* for dedicated phone connection.

Any custom outlets require separate Cat 5e feeds to be run directly back to the Home Run Box.

- Cat 5e runs to be placed next to an electrical outlet.
- EPB will make all terminations at each outlet and the Home Run Box.



For more information, contact us at 423-531-SMRT (7678) or EPB.com/SmartBuild

