

YADTEL WIRING STANDARDS FOR NEW CONSTRUCTION

All wiring shall be Category 6 or better

All pulls shall be homeruns to network panel or entrance location

Each cable shall be designated for one service only (you shall not split a cable for dial tone and internet)

Pulls shall be run as to be protected from physical damage

No pulling force greater than 25Lbs. shall be used to pull cables

All cables shall not exceed the minimum bend radius as specified by the manufacturer

No network cabling pull shall exceed 300' from entrance or network panel

Cabling shall not run parallel within 2' of AC voltage cables or within 2' of fluorescent lighting

If any wire is installed in conduit, ends must be reamed and bushings must be used

When securing wiring, no fasteners may deform the wire in any way

All cabling shall be terminated in a 2"x4" box or plate using Cat6 rated terminations or better utilizing T-586B wiring scheme

All penetrations between floors shall be stopped with rated firestop material

Entrance shall be made beside meter can

A 110v outlet shall be installed within 3' of the meter can for Telco use only (if not utilizing a network panel)

All NIDs shall be grounded to the common ground electrode with #6 copper or larger. (If an indoor NID is used a common ground is not required)

If a wired Ethernet network is desired, a non-metallic network panel (with an electrical outlet installed) must be placed in the middle of the house footprint on the first floor. A minimum of 4 wires shall be installed between the entrance and the network panel. A 3/4" min. conduit with sweeping bends only should also be installed from the network panel to the crawlspace or entrance location if on a slab.

Any deviation from this standard must be approved by the Installation and Repair Manager, or his designee.