

Cost Comparison ACS Zone Wiring vs. Hard Wire Telecom

ACS 360 Work Stations on Single Floor 200' x 175' (35,000 sq. ft.)
 40 – 18 port Zone Distribution Boxes with average 100' Home Run
 2 ports (one voice, one data) per work station

1. LABOR

Layout ZDB-18's:

- Unpack and layout each ZDB-18 – one hour per ZDB-18
 - ✓ By helper @ \$30 per hour
 - 40 hrs. x \$30 hr. \$1,200
- Terminate 40 Home Run's at 19" rack, each with 18-4 pair
 - ✓ By journeyman @ \$55 hr.
 - 45 mins. per Home Run @ \$55 hr = \$41.25 per Home Run
 - 40 Home Runs x \$41.25 per. \$1,650

Layout & Install Telecommunication Extender Cables

- Installer pulls 2 cables at a time; 9 pulls per ZDB-18
 - ✓ By journeyman @ \$55 hr.
 - 6 mins. per pull @ \$55 hr. = \$5.50 per pull
 - 9 pulls per ZDB-18 x \$5.50 x 40 ZDB-18's \$1,980

Test System End-to-End to Current CAT 5 (proposed CAT 6) Requirements

- Channel-link test
 - ✓ By journeyman @ \$55 hr.
 - 18 ports per ZDB x 16 sec. per test = 288 seconds/ 4.8 mins.
 - 4.8 mins. x \$55 hr. x 40 ZDB-18's \$ 176

3. MATERIAL

- One ZDB-18 by ACS - \$850.00 (C/N)
 - \$850 x 40 ZDB-18's \$34,000
- 18 Telecom Ext Cables (Plenum) per ZDB-18 by ACS
 - \$20.00 per cable - \$360 per ZDB-18 (C/N)
 - \$360 x 40 ZDB-18's \$14,400
- Miscellaneous- Rack, Patch Panels & Cable Mgmt. (\$5 x port)
 - 720 ports x \$5 per \$ 3,600

TOTAL INSTALLED COST (Labor & Material) \$57,006

- ◆ Per Work Station \$158.35
- ◆ Per Port \$ 79.18

HARD-WIRED. TOTAL INSTALLED COST (Labor & Material)

\$130.00 per cable pull. 720 pulls. **\$93,600**