

SECTION 27 13 43 {16710}

COMMUNICATIONS SERVICES CABLING

{COMMUNICATIONS CIRCUITS}

This section includes telecommunications services, pathways, equipment facilities, and cabling for voice and data communications (including local area networks for personal computers).

Manufacturers listed in this section were identified as representative and not as an endorsement for meeting this specification. For additional product information, visit 4Specs at www.4specs.com, ARCAT at www.arcata.com, First Source at www.reedfirstsource.com, SpecSource at www.specsource.com, and Sweets Network at products.construction.com.

This section includes performance, proprietary, and descriptive type specifications. Edit to avoid conflicting requirements.

Contact the CSRF Support Center at supportcenter@csrf.org to submit comments or suggestions for improvements to this specification. Visit the SPECTEXT web site at www.spectext.com for current product announcements.

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes [arrangement with Telecommunications Utility Company for telecommunication service;] [payment of Utility Company charges for service installation;] and [backboards,] [cabinets,] termination devices, outlets, and premises wiring.
- B. Related Sections:
 - 1. Section 09 90 00 - Painting and Coating: Painting backboards.
 - 2. Section 26 05 21 - Undercarpet Cable.
 - 3. Section 26 05 34 - Floor Boxes for Electrical Systems.
 - 4. Section 26 05 39 - Underfloor Raceways for Electrical Systems.
 - 5. Section 26 27 23 - Indoor Service Poles.
 - 6. Section 26 27 26 - Wiring Devices: Wall plates.
 - 7. Section 27 05 26 - Grounding and Bonding for Communications Systems.
 - 8. Section 27 05 33 - Conduits and Backboxes for Communications Systems.
 - 9. Section 27 05 36 - Cable Trays for Communications Systems.
 - 10. Section 27 05 53 - Identification for Communications Systems.
 - 11. Section 33 71 19 - Electrical Underground Ducts and Manholes.
- C. Related Sections:
 - 1. Section 02581 - Underground Ducts and Manholes.
 - 2. Section 09900 - Paints and Coatings: Painting backboards.
 - 3. Section 16061 - Grounding and Bonding for Communications Systems.

4. Section 16076 - Identification for Communications Systems.
5. Section 16125 - Undercarpet Cable.
6. Section 16129 - Conduits and Backboxes for Communications Systems.
7. Section 16132 - Indoor Service Poles.
8. Section 16134 - Cable Trays for Communications Systems.
9. Section 16136 - Underfloor Raceway Assemblies.
10. Section 16141 - Floor Boxes.
11. Section 16140 - Wiring Devices: Wall plates.

1.2 REFERENCES

List reference standards included within text of this section. Edit the following for Project conditions.

- A. International Electrical Testing Association:
 1. NETA ATS - Acceptance Testing Specifications for Electrical Power Distribution Equipment and Systems.
- B. National Fire Protection Association:
 1. NFPA 262 - Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-Handling Spaces.
- C. Telecommunications Industry Association/Electronic Industries Alliance:
 1. TIA/EIA 568 - Commercial Building Telecommunications Cabling Standard.
 2. TIA/EIA 569 - Commercial Building Standard for Telecommunications Pathways and Spaces.
- D. Underwriters Laboratories, Inc.:
 1. UL 2043 - Fire Test for Heat and Visible Smoke Release for Discrete Products and their Accessories Installed in Air-Handling Spaces.

1.3 SYSTEM DESCRIPTION

Use this article carefully; restrict statements to describe components used to assemble system. Do not repeat statements made in SUMMARY article; "Section Includes" paragraph.

- A. Service entrance from Telecommunications Utility Company.
- B. Telecommunications Utility Company: [_____].
- C. Service Entrance Pathway: Empty [ducts and] raceway from point of Telephone Utility connection at [manhole] [property line] [overhead pole] [_____] to building service [terminal backboard] [termination cabinet] [_____].
- D. Backbone Pathway: Conform to TIA/EIA 569 using [conduit] [sleeves] [slots] [as indicated on Drawings].