

SECTION 27 01 00

OPERATIONS AND MAINTENANCE OF STRUCTURED CABLING AND ENCLOSURES

PART 1 - GENERAL

1.01 SUMMARY

- A. This Section provides requirements for operations and maintenance of existing structure cabling and enclosures.
- B. Any persons with Contractor or Denver Public Schools adding or moving copper or fiber optic patch (equipment) cords shall do so in a neat, workmanlike fashion in keeping with the original system concept and according to all industry best practices as outlined in cabling standards and applicable BICSI publications referenced previously in this document.

PART 2 - MATERIALS

2.01 GENERAL

- A. Manufacturer: Unless otherwise indicated, equipment and materials in this Section shall be of the same manufacturer as that specified under Division 27 Specification Section *Communications - General Requirements*.
- B. Part Numbers: Refer to the Equipment Schedule(s) on the Communications Construction Drawings for specific manufacturers and part numbers.

2.02 COPPER PATCH CABLES

- A. Owner furnished and installed.

2.03 FIBER PATCH CABLES

- A. Owner furnished and installed.

PART 3 - EXECUTION

3.01 GENERAL

- A. Contactor shall use existing cabling management pathways and take care to place cable like with like, maintaining original segregation strategies for separating fiber and copper cables as well as any separation necessary between different types of copper cables.
- B. Cables shall be dressed neatly within patch management pathways with care taken to maintain minimum bend radius of not less than 1 times the cord outer diameter for copper and not less than a 1" bend radius for fiber jumpers as per ANSI/TIA 568-C.0.
- C. Any persons with Denver Public Schools or Installing Contractors performing moves, adds or changes within patch field will record the move according to documentation guidelines outlined in this document.

END OF SECTION 27 01 00