

**SECTION 26 05 20 - NONMETALLIC-SHEATHED CABLE****PART 1 GENERAL****1.01 DESCRIPTION**

- A. Provide all nonmetallic-sheathed cables, supports, and terminations as indicated on the drawings and described herein, to provide a complete and operable system. It may only be used in Type R occupancies within Dwelling Units where allowed by the NEC and local codes. Refer to Architectural drawings for identification of occupancy types.

**1.02 SUBMITTAL AND RECORD DOCUMENTATION**

- A. Submit product data for cables and supports.

**PART 2 PRODUCTS****2.01 MATERIALS**

- A. Cable shall be by type NMC (overall covering shall be flame retardant, moisture resistant, fungus resistant, and corrosion resistant) cable, and shall meet or exceed UL Standards 83 and 719. Conductors shall be annealed solid or stranded copper conductors No. 12 through No. 6 AWG, 600 volt, with color-coded insulation, rated at 90 deg C.
- B. Acceptable Manufacturers: Rome Cable or equal.

**PART 3 EXECUTION****3.01 INSTALLATION**

- A. Support horizontal and vertical cable 4-1/2 feet on center (maximum) and within 12" of boxes with approved cable staples, per the NEC.
- B. Support cable above accessible ceilings; do not rest cables on ceiling tiles.
- C. Cable shall be cut with manufacturer-approved devices.
- D. Splice conductors only in accessible junction boxes.
- E. Cable shall not be supported from or come into contact with mechanical ducts, water, sprinkler or gas piping; maintain 6-inch separation minimum.
- F. Provide junction box at all cable penetrations of wall, ceiling, or floor surfaces for equipment connections; cable shall not be run directly through finished surfaces.
- G. Voltage Drop: Conductors over 75 feet for 120-volt, for branch or individual circuit home runs from equipment connection, receptacle or lighting fixture shall be No. 10 AWG minimum.
- H. Provide junction box at transition from concealed to exposed wiring. Exposed wiring shall conform with Section 26 05 33 – Raceway and Boxes for Electrical Systems.
- I. Where cable penetrates fire-rated walls or floors, provide fire stop material with UL-listed fire rating equal to wall or floor rating.
- J. Provide junction box at transition from interior to exterior wiring. Exterior wiring shall conform to Section 26 05 33 – Raceway and Boxes for Electrical Systems.
- K. Protect shallow-installed cables with steel plates per the NEC.

**END OF SECTION**