



SECTION 16745

CABLE TELEVISION SYSTEM

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Provide new cable TV interior wiring, wiring taps, backboards and outlet jacks.

1.2 RELATED WORK

- A. Section 16111 - Conduit.
- B. Section 16130 - Boxes.
- C. Section 16421 - Utility Service Entrance.

1.3 SUBMITTALS

- A. Submit documents under provision of Division 1 and Section 16010.
- B. Product Data: Submit physical and operating characteristics of interior cable and outlet jacks.

1.4 PROJECT RECORD DOCUMENTS

- A. Submit record documents under provision of Division 1 and Section 16010.
- B. Accurately record location of cable TV outlets.

1.5 CABLE TELEVISION SERVICE

- A. Cable TV service shall be provided as specified in Section 16421.

PART 2 - PRODUCTS

2.1 INTERIOR CABLE TELEVISION WIRING

- A. Manufacturers:
  - 1. *Belden.*
  - 2. *AT & T.*
  - 3. Substitutions: Or Approved Equal.

- B. Description: Coax cable, 60 degrees C, RG-6 for circuit runs 300 feet and less; coaxial cable, 60 degrees C, RG-11 for circuits longer than 300 feet.

## 2.2 CABLE TELEVISION OUTLET BOXES

- A. Outlet Boxes: Sheet metal or non-metallic, as specified in Section 16130.

## 2.3 CABLE TELEVISION JACKS

- A. Recessed Wall Type: "F" style threaded coaxial cable connector suitable for back wiring and mounting in a standard electrical box. Jack shall include a plastic ivory faceplate and mounting lugs.

## 2.4 CABLE TELEVISION BACKBOARDS

- A. Local Backboards at Service Closets:  $\frac{3}{4}$ " by 30" sq. plywood backboard, painted black. Mount on wall, secured to partition studs.

# PART 3 - EXECUTION

## 3.1 EXAMINATION

- A. Verify that surfaces are ready to receive work.
- B. Verify that field measurements are as shown on Drawings.
- C. Beginning of installation means installer accepts existing conditions.

## 3.2 CABLE TELEVISION OUTLETS

- A. Provide TV outlet boxes and jacks as shown on Drawings.
- B. Provide recessed (flush) mounted TV outlet boxes in all finished areas except where installed on exposed masonry walls.
- C. Do not install recessed TV outlet boxes back-to-back in walls; provide minimum 6-inch separation. Provide minimum 24 inches separation in acoustic rated and fire rated walls.
- D. Secure recessed TV outlet boxes to interior wall and partition studs. Accurately position to allow for surface finish thickness.
- E. Install TV outlet boxes at height indicated on Drawings.
- F. Adjust TV outlet jacks and wall plates to be flush and level.



3.2 CABLE TELEVISION WIRING

- A. Route interior cable concealed in partitions above ceilings. Exposed wiring in conduit may be used where concealed wiring is not possible.
- B. Do not make splices of television cables.
- C. Support television cables above ceilings using spring metallic clips or cable ties to support cables from structure. Do not rest cables on lay-in ceiling panels.
- D. Provide television cables continuous from outlet jacks to cable taps and service point.

END OF SECTION