

## EIA / TIA

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### Course Content

#### **ANSI/TIA/EIA-568-A COMMERCIAL BUILDING TELECOMMUNICATIONS CABLING STANDARD (REPLACED BY ANSI/TIA/EIA-568-B.1)**

#### **ANSI/TIA/EIA-568-B.1 COMMERCIAL BUILDING TELECOMMUNICATIONS CABLING**

- Standard General Requirements

#### **ANSI/EIA/TIA-568-B.2 COMMERCIAL BUILDING TELECOMMUNICATIONS CABLING STANDARD**

- Balanced Twisted-Pair Cabling Components

#### **ANSI/EIA/TIA-569-A COMMERCIAL BUILDING STANDARDS FOR TELECOMMUNICATIONS PATHWAYS AND SPACES**

#### **STRUCTURED WIRING**

- The concept of structured cabling, implying a hierarchical cabling system, is to be strictly applied. There are three hierarchical levels:
  - Inter-Building Backbone,
  - Intra-Building Backbone,
  - Horizontal, with interconnections (patching, cross-connects, and/or distribution equipment) required, and only permitted, between hierarchical levels.

#### **HORIZONTAL CABLING**

#### **BACKBONE CABLING**

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#### **FIRESTOPPING**

- Any penetration of a fire or smoke barrier must be approved by inspecting bodies. Such penetrations must be properly treated according to industry standards and all applicable codes. Minimally, metallic sleeves patched-in and filled with materials meeting the applicable codes shall be used. In all cases, the contractor shall be responsible for compliance with all federal, state and local regulations in effect.