

Informational Note: See NFPA 90A-2021, *Standard for the Installation of Air-Conditioning and Ventilating Systems*, for information on fire protection of wiring installed in fabricated ducts.

used for communications circuits, communications wires, cable routing assemblies, and communications raceways in risers shall be in accordance with 800.113(D)(1) and (D)(2).

Δ (C) Other Spaces Used for Environmental Air (Plenums). Installations of cables used for communications circuits, communications wires, cable routing assemblies, and communications raceways in other spaces used for environmental air (plenums) shall be in accordance with 800.113(C)(1) and (C)(2).

Δ (1) Uses Permitted. The following cables, wires, cable routing assemblies, and communications raceways shall be permitted in other spaces used for environmental air as described in 300.22(C):

- (1) Plenum cables
- (2) Plenum communications raceways
- (3) Plenum cable routing assemblies
- (4) Plenum cables installed in plenum communications raceways
- (5) Plenum cables installed in plenum cable routing assemblies
- (6) Plenum cables and plenum communications raceways supported by open metal cable tray systems
- (7) Plenum, riser, general-purpose, and limited-use cables, and communications wires installed in raceways that are installed in compliance with 300.22(C)
- (8) Plenum, rise, general-purpose, limited-use cables and plenum, riser, and general-purpose communications raceways supported by solid bottom metal cable trays with solid metal covers in other spaces used for environmental air (plenums) as described in 300.22(C)
- (9) Plenum, riser, general-purpose, and limited-use cables installed in plenum, riser, and general-purpose communications raceways supported by solid bottom metal cable trays with solid metal covers in other spaces used for environmental air (plenums) as described in 300.22(C)

N (2) Uses Not Permitted. The following cables, wires, cable routing assemblies, and communications raceways shall not be permitted in other spaces used for environmental air as described in 300.22(C):

- (1) Riser, general-purpose, and limited-use cables
- (2) Riser and general-purpose communications raceways
- (3) Riser and general-purpose cable routing assemblies
- (4) Type CMUC cables and wires
- (5) Types BMR, BM, BMU, and BLU cables
- (6) Communications wires
- (7) Hybrid power and communications cables

Informational Note: See NFPA 90A-2021, *Standard for the Installation of Air-Conditioning and Ventilating Systems*, for information on fire protection of wiring installed in other spaces used for environmental air.

Δ (D) Risers — Cables, Cable Routing Assemblies, and Communications Raceways in Vertical Runs. Installations of cables

N (1) Uses Permitted. The following cables, cable routing assemblies, and communications raceways shall be permitted in vertical runs penetrating one or more floors and in vertical runs in a shaft:

- (1) Plenum and riser cables
- (2) Plenum and riser communications raceways
- (3) Plenum and riser cable routing assemblies
- (4) Plenum and riser cables installed in the following:
 - a. Plenum communications raceways
 - b. Riser communications raceways
 - c. Plenum cable routing assemblies
 - d. Riser cable routing assemblies

N (2) Uses Not Permitted. The following cables, wires, cable routing assemblies, and communications raceways shall not be permitted in risers:

- (1) General-purpose and limited-use cables
- (2) General-purpose communications raceways
- (3) General-purpose cable routing assemblies
- (4) Type CMUC cables and wires
- (5) Types BMR, BM, BMU, and BLU cables
- (6) Communications wires
- (7) Hybrid power and communications cables

Informational Note: See 800.26 for firestop requirements for floor penetrations.

Δ (E) Risers — Cables and Innerducts in Metal Raceways. Installations of cables used for communications circuits, communications wires, cable routing assemblies, and communications raceways in metal raceways in a riser having firestops at each floor shall be in accordance with 800.113(E)(1) and (E)(2).

Δ (1) Uses Permitted. The following cables and innerducts shall be permitted in metal raceways in a riser having firestops at each floor:

- (1) Plenum, riser, general-purpose, and limited-use cables
- (2) Plenum, riser, and general-purpose communications raceways (innerduct)
- (3) Plenum, riser, general-purpose, and limited-use cables installed in the following:
 - a. Plenum communications raceways (innerduct)
 - b. Riser communications raceways (innerduct)
 - c. General-purpose communications raceways (innerduct)

N (2) Uses Not Permitted. The following cables, wires, cable routing assemblies, and communications raceways shall not be permitted in metal raceways in a riser having firestops at each floor:

- (1) Plenum, riser, and general-purpose cable routing assemblies
- (2) Type CMUC cables and wires