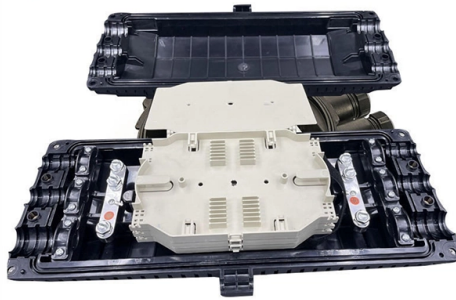


Conduit box bushing at construction site



Overview

Rigid Metal Conduit (RMC) and Intermediate Metal Conduit (IMC) are generally required to have a bushing installed where they enter a box or enclosure, regardless of the conductor size (NEC Section 344). This ensures the wires are protected from the sharp . The specific conduit bushing requirements outlined in the nec code book are critical for protecting wires from damage and ensuring a safe electrical raceway system. An insulating bushing is a specialized fitting, often made from high-strength plastic or nylon, installed where a conduit or raceway terminates at a metal. Where metal boxes or conduit bodies are installed with messenger-supported wiring, open wiring on insulators, or concealed knob-and-tube wiring, conductors shall enter through insulating bushings or, in dry locations, through flexible tubing extending from the last insulating support to not less. Compare rigid and flexible conduit materials and identify the trade size for compatible fittings. Its primary function prevents wire insulation damage from burrs or rough edges on conduit openings.



Article Content

EDITION 17 DURING CABLE INSTALLATION

focuses on cable installations via conduits and lists critical guidelines to follow to complete projects safely and effectively. The purpose of placing cables within conduits is to provide a barrier both

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

