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FRP CABLE TRAYS PACKING,HANDLING & STORAGE GUIDELINES

1.1 GENERAL

WARNING!—Do not use a cable tray as a walkway, ladder, or support for people; cable tray is a mechanical support system for cables and raceways. Using cable trays as walkways can cause personal injury and can damage cable tray and installed cables.

Hazardous voltages in electrical equipment can cause severe personal injury or death. Safety-related work practices, such as those described in NFPA 70E or CSA Z462, as well as all applicable OSHA regulations should be followed at all times.

Performance of a cable tray wiring system depends on proper installation, including supports and cables. Neglecting installation and maintenance guidelines may lead to personal injury as well as damage to property.

Installation and maintenance of cable tray wiring systems shall be conducted only by qualified personnel. For the purposes of this guideline, a qualified person is one who is familiar with electrical construction. In addition, that person is:

- a) Trained and authorized to test, energize, clear, ground, tag, and lock out circuits, in accordance with established safety practices, and
- b) Trained in the proper care and use of protective equipment, such as insulated rubber gloves, hard hats, safety glasses or face shields, dust masks, and flash-resistant clothing, in accordance with established safety practices.

1.2 Construction Experience: It is recommended that the work described be performed by qualified persons familiar with standard electrical

construction practices, electrical equipment, and safety of electrical wiring Systems.

1.3 PACKING

FRP Perforated & Ladder Cable Trays shall be packed in bundles using adequate banding and wrapped with Plastics.

Bundles should be placed on a flat level surface with timber or Mild steel bearers. If bundles are stacked on top of one another they should be aligned vertically. The handler is responsible for ensuring that the stack is stable. The working height and load capacity of the storage facility and/or transport vehicle should not be exceeded.

The FRP Cable trays should be packed in wooden crated or MS Pallets For rough handling or Sea route.

1.4 RECEIVING AND UNLOADING

Cable tray is generally bundled and shipped via motor freight, except for export shipments that could be crated or loaded in containers. Accessories and small components are boxed and often skidded.

Cable tray can be shipped via enclosed van, trailer, or flatbed trailer. Van trailers are normally used for less than truckload (LTL) shipments. This method of shipment is most common and cost effective and offers maximum protection from the weather during shipment. LTL shipments should be hand unloaded unless provisions have been made with the cable tray manufacturer for forklift unloading.

Flatbed trailers are often used for full truckload shipments and when customers want side forklift unloading or sling unloading by crane. (Special care must be exercised using slings so that cable tray is not crushed as a result of improper sling location and lifting.) See Figure 1-1 and Figure 1-2.

CORRECT

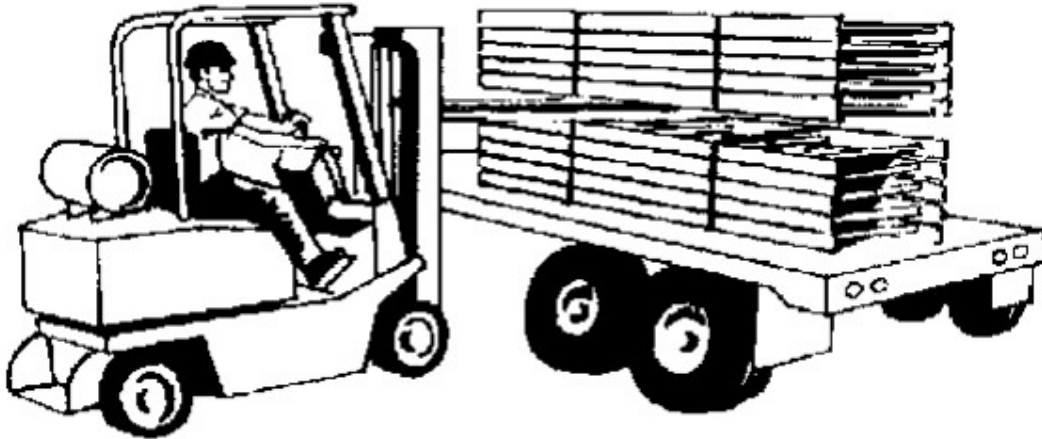


Figure 1-1 Correct



Figure 1-2 Not Correct—Except when Using Extended Forks for Skidded Bundles

Small to medium size orders less than 600 meters (m) (2,000 feet (ft)) are generally shipped via common carrier, LTL in enclosed vans.

If hand unloaded, workers should wear gloves.

To prevent damage to cable tray, never pull cable tray from a truck trailer by chaining to the bottom rung and dragging cable tray out of the trailer (see Figure 1-3 and Figure 1-4).

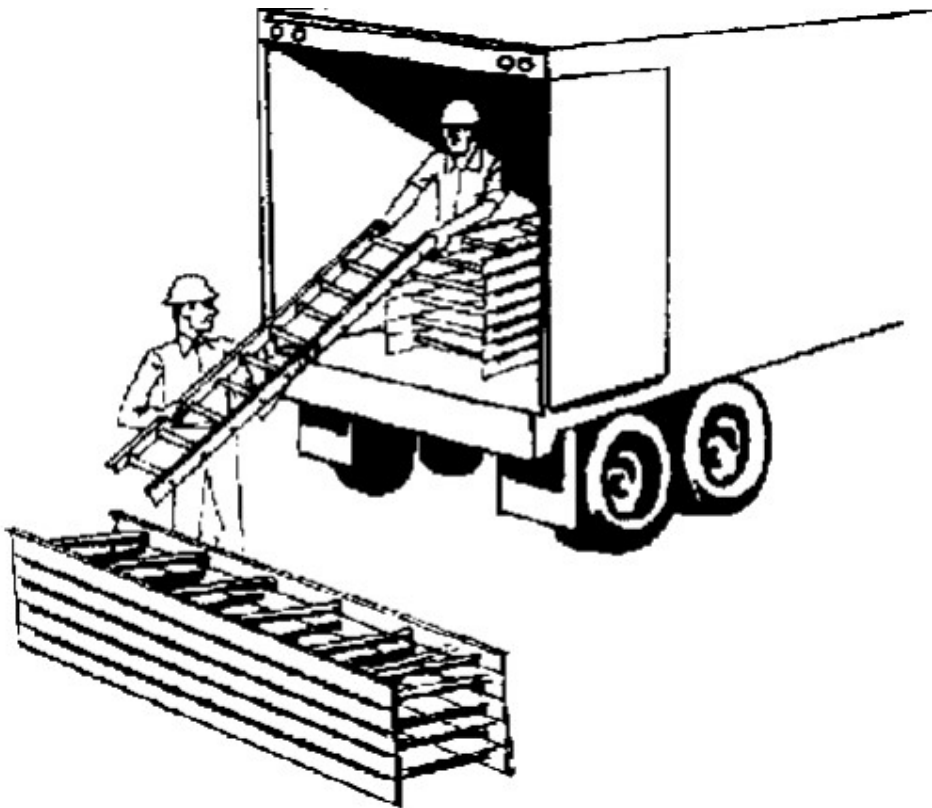


Figure 1-3 Correct

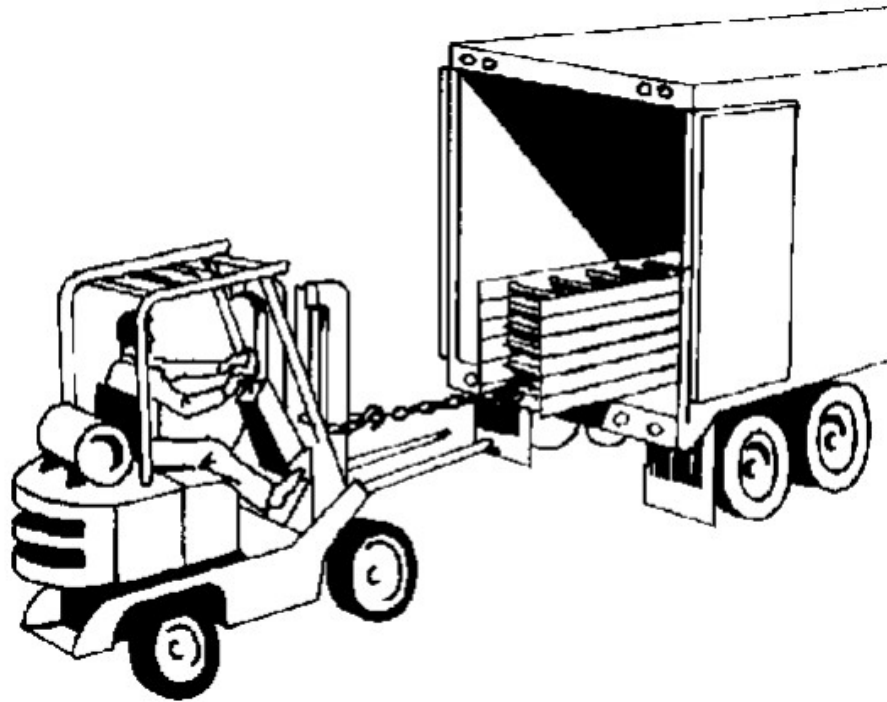


Figure 1-4 Incorrect

2. STORAGE

Fiberglass or other non-metallic cable tray can be stored outside without cover, but should be loosely stacked, elevated off the ground, and ventilated to prevent storage stain. If appearance is important, cable tray should be stored indoors to prevent water or other foreign materials from adhering to cable tray.

Small accessories should be stored to prevent loss.

Cable tray should be stored away from high-traffic areas.

Cable tray should be stacked by width and type.

Report End