

Loaded Coupler Cassette

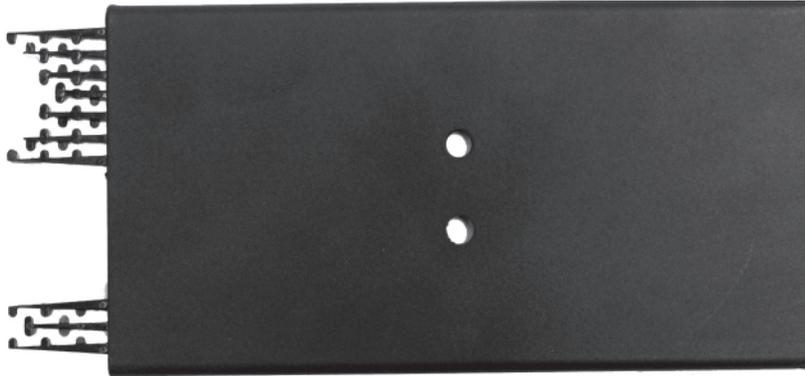


Figure 1

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1. Description

1.1 The Corning Cable Systems Coupler Cassette is a metal and plastic tray that holds up to 12 fusion splice elements and 4 couplers. The tray is designed for single-mode fibers operating at up to 1550nm, but will also accept multimode fibers (Figure 1).

1.2 The Loaded Coupler Cassette has been assembled and tested at the factory. The cassette is offered in three configurations:

“Pigtail” Option Cassettes: Cassettes supplied with connectorized pigtails more than one meter (39 inches) long. Pigtails are terminated in another unit on the frame.

“Sleeve” Option Cassettes: Cassettes supplied with connectorized pigtails less than one meter (usually 35 inches) in length. Adapters are usually mounted directly in the drawer with the cassette.

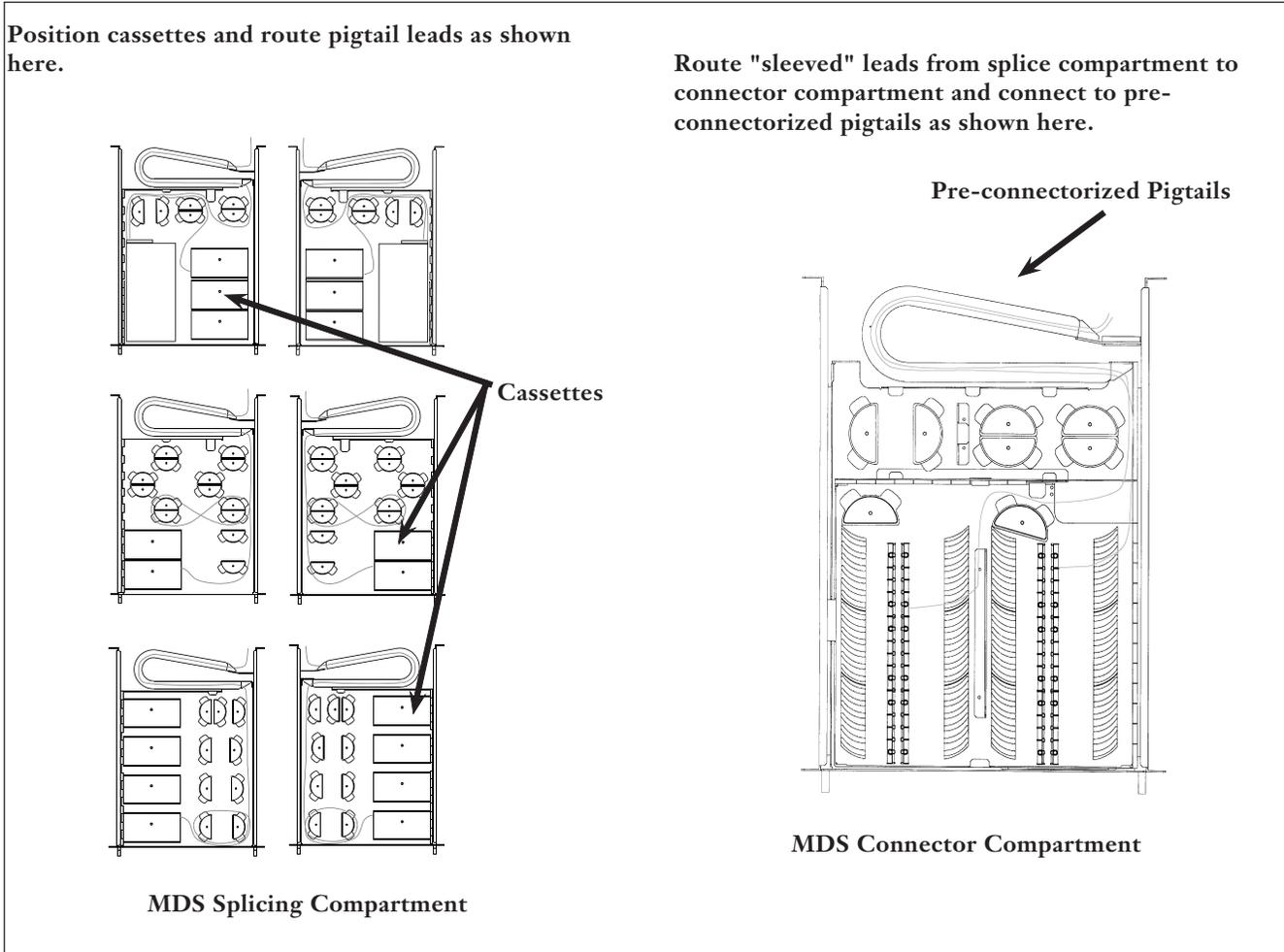
Pigtail and Sleeve Combination Cassettes: Cassettes with “Sleeved” input cables and “Pigtailed” output cables.

1.3 This document is being reissued to include updated corporate information.

NOTICE: Fiber optic cable is sensitive to excessive pulling, bending and crushing forces. Consult the cable specification sheet for the cable you are installing. **Do not bend cable more sharply than the minimum recommended bend radii. Do not apply more pulling force to the cable than specified. Do not crush the cable or allow it to kink.** Doing so may cause damage that can alter the transmission characteristics of the cable — the cable may have to be replaced.

NOTE: For complex configurations, more than one cassette may be required to contain the entire assembly. When this becomes necessary, the coupler cassettes are designed to be stacked up to two high in any application where there is sufficient space to do so. With this feature, there are four possible arrangements: single, double, single/double, and double/double stacked versions.

2. Installation in an MDS



See SRP-003-376 for detailed instructions.

Figure 2

3. Installation in an HDF

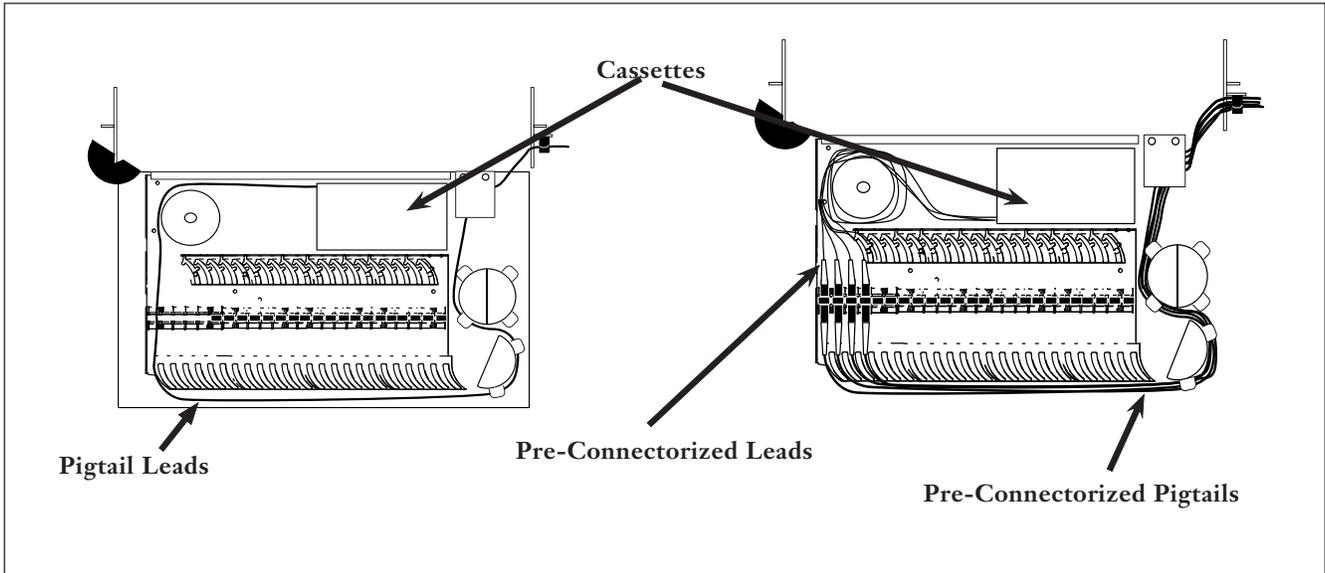
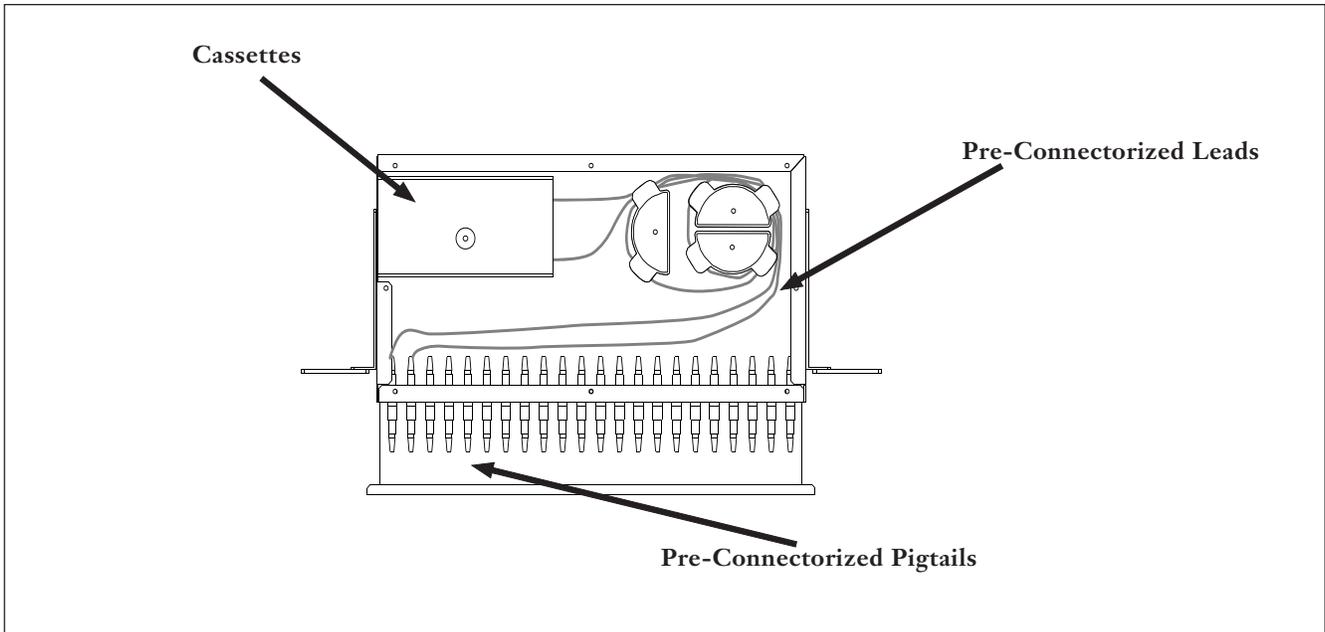


Figure 3

4. Installation in a High Density Coupler Shelf

See SRP-003-411 for detailed instructions.



See SRP-003-402 for detailed instructions.

Figure 4

5. Connector Care

Connectors are extremely delicate devices. Observe the following precautions:

- At installation, use a clean tissue soaked in alcohol to gently clean connectors at the end of the jumper or pigtail. Clean all the areas of the connector that will contact the connector sleeve.
- Do not press on connectors as you clean. Doing so may scratch or crack the connector surface, making it unusable.
- Carefully press the connector into its receptacle and tighten.
- Do not over-tighten. Doing so can damage the connector surfaces, making them unusable.
- Do not allow the connector body (ferrule) to turn as you screw it into place. Doing so will allow surfaces to grind against each other. The resulting scratches could render the connector unusable.
- The connector should fit into its receptacle easily. If it binds, back it up. Do not force.
- Clean external components of installed connectors at regular intervals as recommended by their manufacturer.

Special Note:
Fiber Optic
Training
Program



Corning Cable Systems offers comprehensive, integrated training programs. Courses are structured for: telephony, CATV, LAN, Intelligent Transportation Systems and Power Utilities.

For information on Engineering Services Training call: 800-743-2671.

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