



DP FLEX INSULATED FLEXIBLE DUCTS MODELS: FD3, FD3-RN



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DP FLEX INSULATED FLEXIBLE DUCTS

MODELS: FD3, FD3-RN

Model FD3, FD3-RN is UL listed Flexible Duct according UL181 class 1 standard. Also classified by Underwriters laboratories INC, In accordance with ADC flexible duct performance and installation standard using ASTM C518.

Model FD3, FD3-RN is insulated flexible duct with outer jacket as plain or reinforced metalized polyester vapor barrier, Middle layer is premium quality insulation and inner core is multi-layer polyester permanently bonded in helix spring steel wire.



Length: 25 Ft.

Diameter: 4" to 20".

Class 1.

Maximum Velocity: 5000 FPM.

Maximum Positive Pressure: 10" W.C.

Maximum Negative Pressure: ½" W.C.

Insulation R value: 4.2, 6 & 8 (F-hr/BTU)



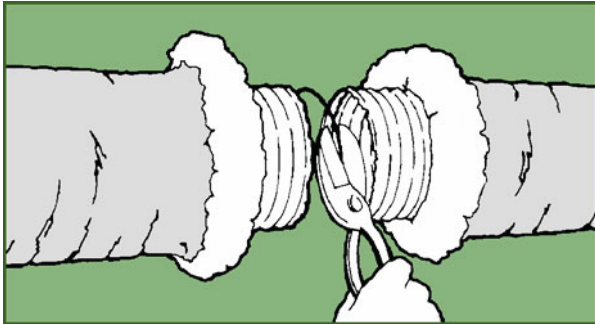
Specification: Flexible Duct to be UL classified according UL181 standard. Outer jacket to be plain or reinforced, metalized polyester film. Fiberglass Insulation of R-value 4.2, 6 or 8 to be inserted in between outer and inner core to achieve thermal and acoustic performance. Inner core to be multi-layer polyester bonded in helix steel spring wire. Bonding adhesive to be flame retardant. Steel spring helix to be coated with minimum thickness not less than 1.00 mm and have special spring properties to keep the shape of the duct in proper condition. All Flexible Duct to have UL label on it. Installation needs to be as per manufacturer's instruction.

Installation Instructions

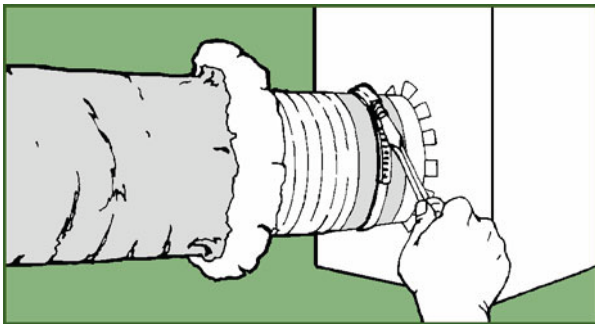
Air Duct and Air Connectors - Nonmetallic with Plain Ends

Connections

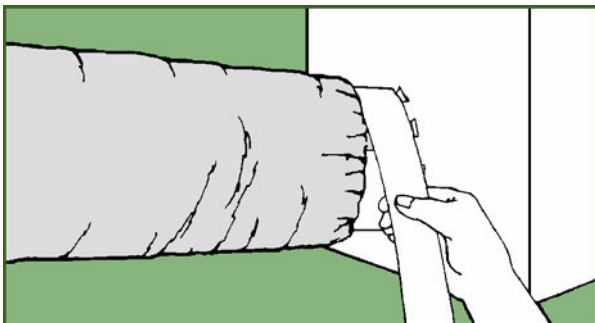
1. After desired length is determined, cut completely around and through duct with knife or scissors. Cut wire with wire cutters. Fold back jacket and insulation.



2. Slide at least 1" [25 mm] of core over fitting and past the bead. Seal core to collar with at least 2 wraps of duct tape. Secure connection with clamp placed over the core and tape and past the bead.

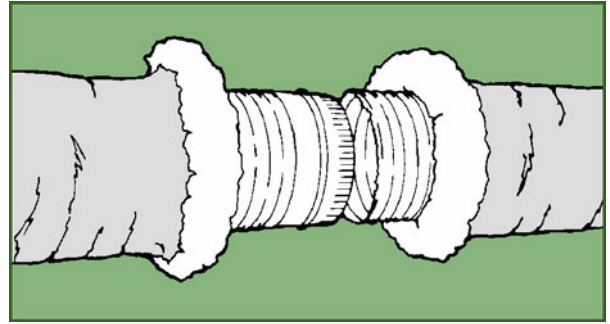


3. Pull jacket and insulation back over core. Tape jacket with at least 2 wraps of duct tape. A clamp may be used in place of or in combination with the duct tape.

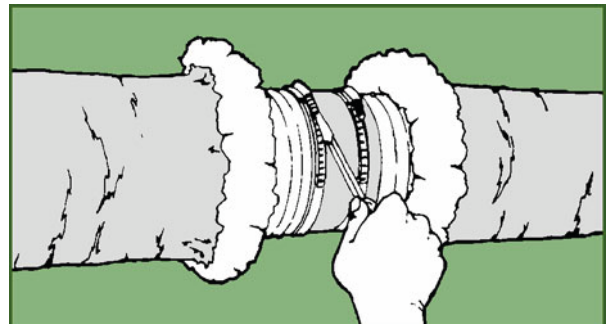


Splices

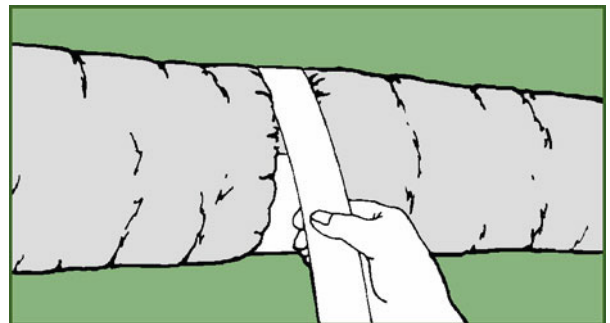
1. Fold back jacket and insulation from core. Butt two cores together on a 4" [100 mm] min. length metal sleeve.



2. Tape cores together with at least 2 wraps of duct tape. Secure connection with 2 clamps placed over the taped core ends and past the beads.



3. Pull jacket and insulation back over cores. Tape jackets together with at least 2 wraps of duct tape.



NOTES:

1. For uninsulated air ducts and air connectors, disregard references to insulation and jacket.
2. Use beaded sheet metal fittings and sleeves when using non-metallic clamps.
3. Use tapes listed and labeled in accordance with Standard UL 181B and marked "181B-FX".
4. Non-metallic clamps shall be listed and labeled in accordance with Standard UL 181B and marked "181B-C".
5. Use of non-metallic clamps shall be limited to 6 in. w.g. [1500 Pa] positive pressure.



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