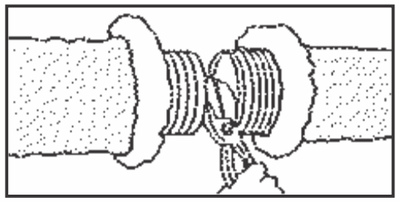
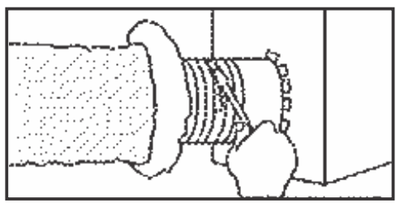
INSTALLATION INSTRUCTIONS
Air Ducts And Air Connecters
Nonmetallic With Plain Ends

CONNECTIONS

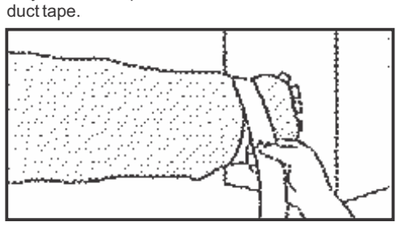
1. After desired length is determined, cut completely around and through duct with knife or scissors. Cut wire with wire cutters. Fold back jacket and insulation.



2. Slide at least 1" (25mm) 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 past the bead.

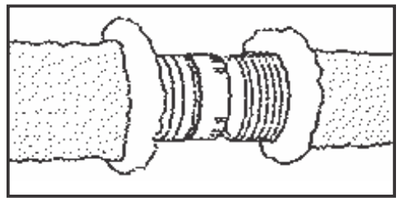


3. Pull jacket and insulation back over core. Tape jacket with at least 2 wraps of duct tape. A clamp may be used in place of or in combination with the duct tape.

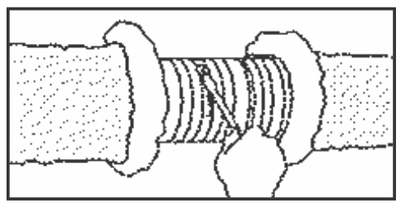


SPLICES

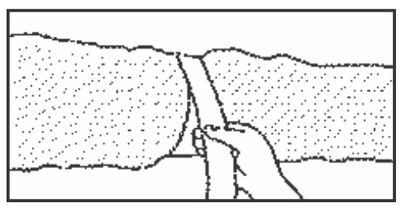
1. Fold back jacket and insulation from core. Butt two cores together on a 4" (10mm) length of metal sleeve.



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 core. Tape jackets together with at least 2 wraps of duct tape.



NOTES :
1. For uninsulated air duct and air connectors, disregard references to insulation and jacket.
2. Use beaded sheet metal fittings and sleeves.
3. Use tapes listed and labeled in accordance with standard UL 181B and marked "181B-FX.
4. Nonmetallic clamps shall be listed and labeled in accordance with standard UL 181B and marked "181B-C"
5. Use of nonmetallic clamps shall be limited to 6" w.g. (1500 Pa) positive pressure.

INSTALLATION INSTRUCTION COMPLIES WITH U-181 REQUIREMENTS
SPLICING TWO LENGTHS OF INSULATED DUCTS

1. Expose end of liner.
2. Trim excess material from liners.
3. Bend ends of wire to prevent snagging.
4. Screw liners onto standard 4 in. Metal sleeve to butt joint and apply two wraps of duct tape*. Finish seal with clamp*.
5. Overlap insulation in smooth plies over spliced liners.
6. Overlap loose barrier seam in smooth plies over insulation.
7. Apply two wraps of duct tape*.

SPLICING TWO LENGTHS OF NON-INSULATED DUCT

1. Trim excess materials from ducts.
2. Bend ends of wires to prevent snagging.
3. Apply mastic* to a depth of 2 inches (minimum) inside duct liner ends.
4. Slide duct end with adhesive to form butt joint on 4 in. Metal sleeve.
5. Apply a duct clamp* and allow joint to dry.

CONNECTING INSULATED DUCT TO FITTING
MEDIUM TO HIGH PRESSURE

1. Cut to desired length.
2. Apply a liner onto fitting, extending 1" pas the bead.
3. Apply two wraps of duct tape* over liner to fitting seam.
4. When duct tape* is not used, apply mastic* to fitting and slide liner at least two inches. Apply clamp* and allow it to dry.
5. Pleat and seal barrier to fitting with two wraps of duct* tape and apply clamp* over tape with tension tool.

LOW PRESSURE TWO INCHES OR LOWER

1. Follow steps 1 and 2 above.
2. Apply two wraps of duct tape* and duct clamp* over liner to fitting seam connecting M-KC, M-KE or G-KM duct having factory installed metal collars to fitting.
3. Pleat and seal barrier with two wraps of duct tape or clamp* insulation and barrier to fitting in place of tape.

See separate instructions sheet inside carton for factory installed duct assemblies

JOINING MATERIALS

CLAMPS* : Use clamps listed and labeled in accordance with UL-181 and marked "UL-181B-C"
TAPES* : Use tapes listed and labeled in accordance with UL-181 and marked "UL 181B-FX"
MASTICS* : Use Mastics listed and labeled in accordance with UL-181B and marked 'UL 181B-M" Mastics may only be used on products M-KC, S-LP, S-TL and S-LD.
NOTES : A. Types S-LP, S-LD, MC and insulated Thermaduct Connectors are not to be installed in lengths exceeding (14) feet (4.25 meters).
B. Follow application rate of Mastics* according to manufacturer's recommendations.
C. Look for separate installation instruction inside carton on short length duct assemblies having factory installed collars.