

Overview and Specifications

ComfoFlex



Product Information

Benefits

- Reduced total installed cost—fast, economical installation.
- Material will not support mold or mildew growth.
- Shorter length help reduce waste—easily cut to exact length, or to splice together at the job.
- Underwriters Laboratories (UL) listed as Class 1 air duct, Standard 181.
- All components are self-extinguishing and will not support flame.
- Complies with NFPA Standards 90A and 90B and most local, state and federal standards or codes.
- Maintenance free under normal conditions— resistant to rips and puncture.
- Strict quality control over all raw materials and completed ducts.
- Suitable for all commercial applications where noninsulated “connector” rated products are not allowed.
- Will not collapse at recommended operating pressure.
- Assists absorbing system vibration transmitted through ductwork.
- Packaged compactly for efficient transporting, storing and handling

Construction and Materials:

The supporting helix of coated spring steel wire is permanently bonded to a coated woven fiberglass cover. Coated spring steel wire helix Special coating prevents corrosion. Cover is coated woven fiberglass.

ComfoFlex non-insulated flexible air duct is designed for use in all balanced ventilation Systems. It can be used as either supply or returns sections manifold plate to the diffusion valve. ComfoFlex PLUS air duct provide economical means for handling misalignment between system components and ducting around obstacles where fabricated ducts and fitted ducts are difficult and costly to install. This duct is equally suitable for new jobs as well as in retrofit applications. Compliance with NFPA Standards lets you install lengths longer than the limitations applying to air connectors. ComfoFlex PLUS air ducts offer further more economy of installed cost.

Specifications

APPLICATIONS and ENGINEERING DATA:

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|--|---|---------------------------|
| Nominal inside diameter (inches): | 3 | |
| Length (feet): | 50 | |
| Inside bend radius (inches): | 3 | |
| Operating pressure (inches water column): | Positive = 16 inches | Negative = 1 inch |
| Maximum leakage (cubic ft./min./linear ft./in.diameter) At 16 inch water column: | 0.015 | |
| Internal operating t emperature range (°F): | Minimum = 0 | Maximum = 250 |
| Velocity (feet per minute): | 6000 | |
| Surface burning characteristics: | Max. flame spread = 25 | Max. smoke developed = 50 |
| Oxygen index ratings: | Woven and coated glass cloth fabric = 35.60 | |

Technical specifications

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|---|------------|
| Inside diameter[“] | 3.0 |
| Weight per running length [lb/ft] | 0.2 |
| Running length per box [ft] | 50 |
| Weight per Box [lb] | 10 |
| Box Dimentions length x deeph x height [Inch] | 38 x 3 x 3 |

