

## Specification

### **Flat Duct** **Very Durable**

## **FD-Series**

---

### Application:

Movement of conditioned air from air handler to aircraft, forward of jet bridge.

Construction: Linear welded construction with three each axial insulated Chambers.

### Product Features:

- PVC Material is UV Resistant and mildew resistant
- Compressibility allows for convenient storage. (roll up or fold)
- Extremely Durable
- Easy to repair
- All sewn parts are down with lock stitch.



Insulation: 1/2" thick Polyfiber Double Insulation is available

Fabric Temperature range: minus 40 degree to plus 180 degree Fahrenheit

Standard color: Outer layer: Yellow Inner layer: yellow other colors available

Diameter range: 8", 10", 12" and 14" dia. are Standard  
other Diameters are available

Length range: 10', 15', 20', 25', 30' are standard lengths  
other lengths are available

### End Finishes/Coupling Systems:

Velcro, Zipper or Soft Cuffs

Male to Female coupling on the Velcro and Zipper cuffs

Soft Cuffs get clamped to the Air handler or an Aircraft connector.

Custom Cuffs are available.

Also available: non insulated which is a linear welded single layer tube with cuffs of your choice on each end.

Materials: Outer Layer: 18oz. PVC Coated Polyester

Inner Layer: 18oz. PVC Coated Polyester (1000 Denier x 1000 Denier)

BASE FABRIC	
Weight	5 oz PSY
Fiber	Polyester
Fabric Style	Woven

COATED FABRIC	Mildew & Ultra Violet Resistant
Total Weight	18 +/- 0.5 oz PSY
Type of Coating	Poly Vinyl Chloride
Coating Distribution	60% front / 40% back
Width	61 "
Sealing Properties	<input checked="" type="checkbox"/> Dielectric <input checked="" type="checkbox"/> Thermal

MECHANICAL PROPERTIES	RESULTS	TEST METHODS	
		Fed. Std. 191A	ASTM
Grab Tensile: Warp	400 Lbs	5100	D5034
	Fill		
Strip Tensile: Warp (1")	290 Lbs	5102	D5035
	Fill (1")		
Tongue Tear: Warp	90 Lbs	5134	D751
	Fill		
Adhesion: Adhesive	10 Lbs		
Abrasion (Taber): Wheel: H-18	0.045 gr	5106	D3884
	Load: 1,000 gr		
	1,000 Cycle, 70 rpm		
Hydro Resistance:	500 PSI	5512	
Low Temperature:	-40 degrees F		
Flame Resistance: Time of Afterflame	1.0	5903	
	NFPA 701 (Large Scale)	Pass	n/a
	NFPA 701 (Small Scale)	Pass	n/a
	FAR 25.853 (b)	Pass	n/a
	California Fire Marshal	Pass	n/a

Insulation: 1/2" thick Polyfiber or 1" thick Polyfiber

R - Value: 4                      R - Value: 6

Thread: High tenacity plied and twisted UVR Bonded Filament

Polyester Tread

TEX 135

Elongation 15%

