

## Specification

# FL-Series

**FLAT**  
Lightweight

### Application

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

Construction: Sewn and welded construction with four each axial insulated Chambers.

### Product Features

- PVC Material is UV Resistant and mildew resistant
- Compressibility allows for convenient storage. (roll up or fold)
- **Light weight Hose**
- Rated for 10 PSI



**Insulation:** 1/8" thick Polyethylene Foam in axial chambers

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

**Standard color: Outer layer:** Yellow **Inner layer:** yellow, white or black 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.

**Materials: Outer Layer:** 18oz. PVC Coated Polyester  
 or 1000 Denier Nylon Fabric (1000 Denier x 1000 Denier) with a 1 oz. Urethane coating on the inside and a DWR finish on the outside (water repelant).

**Inner Layer:** 10oz. 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	390 Lbs		
Strip Tensile:	Warp (1")	290 Lbs	5102	D5035
	Fill (1")	280 Lbs		
Tongue Tear:	Warp	90 Lbs	5134	D751
	Fill	85 Lbs		
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	

**Webbing:** 2" heavy weight Webbing, black  
 Tensile Strength: 1,600 lbs.  
 Yarn Type: 1680 Denier  
 Pick Count: 23 -24 pick per inch  
 Thickness: 0.065"

**Thread:** High tenacity plied and twisted UVR Bonded Filament  
 Polyester Tread  
 TEX 135  
 Elongation 15%

