



*Flexible Hose,
Ducts and
Connectors for
the Aviation
Industry*



FLEXFAB ^{FF} DIVISION

COMMITTED TO EXCELLENCE IN ENGINEERED ELASTOMERIC PRODUCTS SINCE 1961

A MEMBER OF THE

FHI FAMILY

FLEXFAB, FHMILZENS INTERNACIONAL, INC.

FLEXFAB

Since 1961

Flexfab has specialized in the design and manufacture of hose, ducts, flexible connectors, boots, bellows and special shapes made from a wide range of materials for high-demand applications.

Many of the advances in the use of silicone elastomers, have come from Flexfab research and development. In several instances our customers' design challenges have led us to create entirely new manufacturing techniques and Flexfab chemists and engineers continually research other materials and methods. By doing so, we ensure our readiness to meet the needs of future technologies for products yet to be designed.

The other side of innovation is quality assurance. Because an idea is only as good as its performance, we at Flexfab constantly seek ways to improve our products. We are committed to ISO 9000 quality standards, employing Statistical Process Control (SPC) in our manufacturing facilities. We use Computer Aided Design (CAD) to develop new designs and tooling rapidly and precisely.

We are just as demanding of our customer service. We have invested in Electronic Data Interchange (EDI) systems for fast and accurate transfer of information such as delivery and invoice data.

At Flexfab, we welcome your challenges. We want you to think of us as a valuable and dependable resource in the development and manufacture of your products.



Typical Custom Designed Ducts and Connectors

Flexfab is a pioneer in the manufacturing and processing of silicone and other reinforced elastomeric hose, ducts and connectors for the major OEMs in the aviation industry.

Our engineering expertise and design capability, and our specific knowledge of fabrics and materials has earned the confidence and respect of industry professionals. Major manufacturers world wide rely on us for the highest quality on-board components.



Ultra Lightweight Air Ducting

Flexfab's lightweight flexible ducting is ideal for aircraft Environmental Control Systems (ECS), and other applications where weight is an important consideration. Flexfab lightweight ducting typically saves up to 33 percent of weight compared to conventional ducting, and allows easier and faster installation. Stock and custom designs are offered in a choice of silicone and urethane materials. Silicone elastomers are highly resistant to hardening, cracking, stress, aging and temperature extremes. They feature smooth bore, are available with flexible tapers, and meet FAR 25.853 flammability standards.

Application: Lightweight air handling hose and ducts for low positive and negative pressure applications and low to high temperature applications. (See chart below)

Construction: Flexible lightweight material, reinforced with external helically-wound nylon. Resistant to oils, solvents, ozone, fungus, alkalis and water per SAE AS1501.

Not recommended for handling liquids, powders or abrasive materials.



[†]FLX4004 Ultra Lightweight Urethane

Hydrolysis resistant polyurethane coated on woven nylon body. Cuff is elastomer coated fabric.

Diameter (in.)	Operating Pressure	Minimum Inside Bend Radius	Weight (lb/in ID/ft length)	Cuff Weight (lb/in ID/cuff)	SAE Compliance
0.50 to 1.25	-0.5 to +1 PSIG	0.75 x ID	0.0312	0.016	AS1591
1.50 to 2.00	-0.5 to +1 PSIG	0.75 x ID	0.0360	0.011	AS1591
2.25 to 6.00	-0 to +1 PSIG	0.75 x ID	0.0420	0.010	AS1591

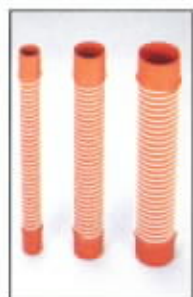
[†]Vacuum capability up to 2" dia. on FLX4004. Temperature Range -65°F to +176°F (-54°C to +80°C)

[†]FLX4005 Ultra Lightweight Silicone

Coated on light weight woven fiberglass body. Cuff is Silicone rubber coated on woven fiberglass.

Diameter (in.)	Operating Pressure	Minimum Inside Bend Radius	Weight (lb/in ID/ft length)	Cuff Weight (lb/in ID/cuff)	SAE Compliance
0.50 to 1.25	-0.5 to +1 PSIG	0.75 x ID	0.0312	0.016	AS4546
1.50 to 2.25	-0.5 to +1 PSIG	0.75 x ID	0.0360	0.011	AS4546
2.50 to 3.75	-0.5 to +1 PSIG	0.75 x ID	0.0420	0.010	AS4546
4.00 to 6.00	-0.5 to +1 PSIG	0.75 x ID	0.0504	0.010	AS4546
6.25 to 8.00	-0.5 to +1 PSIG	0.75 x ID	0.1200	0.014	AS4546
8.25 to 10.00	-0.5 to +1 PSIG	0.75 x ID	0.1500	0.015	AS4546
10.25 to 12.00	-0.5 to +1 PSIG	0.75 x ID	0.1860	0.016	AS4546

[†]Vacuum Capability on FLX4005. Temperature Range -65°F to +250°F (-54°C to +121°C)



[†]FLX4007 Ultra Lightweight Silicone

Coated on light weight woven fiberglass body. Cuff is Silicone rubber coated on woven fiberglass.

Diameter (in.)	Operating Pressure	Minimum Inside Bend Radius	Weight (lb/in ID/ft length)	Cuff Weight (lb/in ID/cuff)	SAE Compliance
4.00 to 6.00	-0 to +1 PSIG	0.75 x ID	0.0420	0.010	AS4774
6.25 to 8.00	-0 to +1 PSIG	0.75 x ID	0.0480	0.014	AS4774
8.25 to 10.00	-0 to +1 PSIG	0.75 x ID	0.0480	0.015	AS4774
10.25 to 12.00	-0 to +1 PSIG	0.75 x ID	0.0504	0.016	AS4774

[†]No Vacuum Capability on FLX4007. Temperature Range -65°F to +250°F (-54°C to +121°C)

[†]FLX4008 Lightweight Silicone

Coated on medium weight woven fiberglass body. Cuff is Silicone rubber coated on woven fiberglass.

Diameter (in.)	Operating Pressure	Minimum Inside Bend Radius	Weight (lb/in ID/ft length)	Cuff Weight (lb/in ID/cuff)	SAE Compliance
0.50 to 1.00	-0.5 to +13 PSIG	1.0 x ID	0.0504	0.016	AS4804
1.25 to 2.00	-0.5 to +7 PSIG	1.0 x ID	0.0564	0.011	AS4804
2.25 to 3.00	-0.5 to +5 PSIG	1.0 x ID	0.0600	0.010	AS4804
3.25 to 4.00	-0.5 to +4 PSIG	1.0 x ID	0.0600	0.010	AS4804
4.25 to 5.00	-0.5 to +3 PSIG	1.0 x ID	0.0840	0.010	AS4804
5.25 to 6.00	-0.5 to +2 PSIG	1.0 x ID	0.0840	0.010	AS4804
6.25 to 8.00	-0.5 to +2 PSIG	1.0 x ID	0.1560	0.014	AS4804
8.25 to 10.00	-0.5 to +2 PSIG	1.0 x ID	0.1800	0.015	AS4804
10.25 to 12.00	-0.5 to +2 PSIG	1.0 x ID	0.2040	0.016	AS4804

[†]Vacuum Capability on FLX4008. Temperature Range -65°F to +250°F (-54°C to +121°C)

All diameters are available in 1/4 inch increments, other diameters available on request. Standard lengths 4.00' to 240.00'. Custom lengths are available on request. Maximum SCFM/in ID/ft length is .015.



Lightweight Silicone / Teflon Lined Hose

Hose has a Teflon® liner for minimum drag coefficient. It is covered with a silicone rubber coated fabric, either Nomex® or Nomex®, and reinforced with a continuous-filament nylon cord to provide maximum flexibility and minimum diameter restriction in sharp bend areas. Nylon 30% glass filled fittings, male and female, in straight, 45° and 90° elbows are available. Stainless steel fittings are also available.

Application: Recommended for medium pressure handling of liquids and most chemicals. Teflon liner provides a smooth inner surface for maximum flow and minimum friction loss. Ideal for use where minimum weight is required.

Operating Temperature: -65°F to +350°F (-54°C to +177°C)

Characteristics: •Lightweight • Resistant to oils, solvents, water, ozone, fungus and most chemicals • Operating pressure +35 psig; neg. 5 psig • Surge pressure +100 psig; neg. 10 psig

Lightweight Low Pressure Conditioned Air Hose to AS Specifications

Applications: For environmental control systems (ECS) and other weight critical uses.

Characteristics: •Silicone fiberglass, non-metallic wire supported duct •Lightweight, flame resistant

AS1504 – 1 ply silicone fiberglass with internal non-metallic support .07 lb. per inch ID, per ft. length.

AS1544 – 2 ply silicone fiberglass with non-metallic support between plies. Smooth inside surface. .10 lb. per inch ID, per ft. length.

Operating Temperature: -65°F to +250°F (-54°C to +121°C)

Meets FAR 25.853 test.



All specifications in this catalog are subject to change without notice.

Sleeves and Connectors

Silicone rubber inner surface with 2 or more plies woven fiberglass fabric coated with silicone.

Applications: • Superior connection between rigid ducting in environmental control systems and instrument cooling lines. • Two-ply construction design for applications up to 20 PSIG • 3-ply construction for uses to 40 PSIG.

Other constructions available on request.



Temperature Range: -65°F to +550°F (-54°C to +288°C)
Resistant To: Lubricants, fuels, ozone, coolants
Life: 20 years minimum
Diameter: .50 thru 12.00" ID
Length: 2" thru 144"

Lightweight Waste Water (gray water) Drain Hose. 2013 Series



Characteristics: •Silicone lined fiberglass, reinforced wire supported hose. •Operating pressure; negative 10 psig proof pressure to positive 50 psig. (Elbows, Y's and T's are 100 psig.) •Flame resistant.

Operating Temperature: -65°F to +250°F (-54°C to + 121°C).

Meets FAR 25.853 test.

Muffler (Silencer)

Reduces air noise in environmental controlled systems.

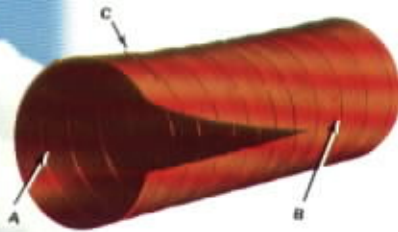
Made of silicone with nylon cord reinforcement. Nomex® or other insulation materials are available.

Acoustical information is available on request. Mufflers can be custom designed to meet your particular noise problem. A wide range of diameters and lengths are available.



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SIL-1™ Single-Ply, Silicone-Coated Woven Fiberglass Hose (SCAT Construction)



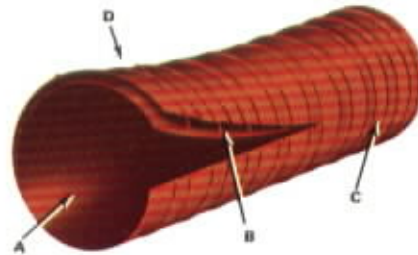
A. Bronze Plated Helical Coiled Spring Steel Wire
B. Silicone/Fiberglass Cover Ply
C. Continuous Filament Fiberglass Cord



Applications: • Recommended for low pressure handling of higher and lower temperature air, dust or fumes • Ideal for heating applications where minimum weight is required, and where air flow and friction requirements are not severe • Good for heater applications • Not recommended for handling liquids or abrasive materials.

Construction: Flexible. Chemically-treated, helically-wound, bronze plated, spring steel wire reinforcement. Silicone-coated woven fiberglass fabric covering. Continuous filament fiberglass cord between coils. Heat-vulcanized for maximum rubber-to-wire bond. Lightweight, non-kinking, easy installation. Meets military and commercial low temperature flexibility and flame requirements (FAR 25.853). Temperature range -65°F to +450°F (-54°C to +232°C).

SIL-2™ Double-Ply, Silicone-Coated Woven Fiberglass Hose (SCEET Construction)



A. Silicone/Fiberglass Inner Liner Ply
B. Helical Coiled Spring Wire
C. Silicone/Fiberglass Cover Ply
D. Double Fiberglass Cord



Applications: • Designed for medium pressure handling of air, dust, fumes and light powders • Not recommended for handling liquids or abrasive materials.

Construction: Smooth inner ply and cover ply of silicone-coated, woven fiberglass. Superior air flow and minimum friction loss. Chemically-treated, helically-wound, spring steel wire for flexibility. Double, continuous filament, silicone-coated fiberglass cord. Vulcanized for long service life. Lightweight, non-kinking. Meets military and commercial low temperature flexibility and flame requirements (FAR 25.853). Temperature range -80°F to +600°F (-62°C to +316°C). Abrasion-resistant cover and liner available.

SIL-1™ 4001 Series

I.D. INCHES	DASH NO.	P. S.I.G.	BURST	MAX. LEAKAGE CFM	MAX. NEG. P. S.I.	WT. PER FT.	CUFF LENGTH	WALL THICKNESS
1.00	4	20	40	.02	12	1.7	1½	.040
1.25	5	20	40	.02	12	2.1	1½	.040
1.50	6	15	30	.03	10	2.5	1½	.040
1.75	7	15	30	.03	10	3.0	1½	.040
2.00	8	10	20	.04	8	3.4	1½	.045
2.25	9	10	20	.05	8	3.8	1½	.045
2.50	10	10	20	.05	7	4.3	1½	.045
2.75	11	10	20	.06	7	4.7	1½	.045
3.00	12	10	20	.065	6	5.1	1½	.050
3.25	13	9	18	.065	6	5.3	1½	.050
3.50	14	9	18	.07	6	6.0	1½	.050
3.75	15	9	18	.08	5	6.5	1½	.050
4.00	16	8	15	.10	5	7.0	1½	.055
4.50	18	7	14	.10	4	7.7	2	.055
5.00	20	6	10	.125	4	8.7	2	.055
5.50	22	5	10	.13	3	9.3	2	.055
6.00	24	4	10	.15	3	10.6	2	.060

Hose specifications for reference only. Specific test data available on request.

Contact factory for availability of other sizes.

Standard length 12 feet. Lengths over 12 feet available on special order.

Special ends can be provided as required by the installation. Some typical examples: Round to square or rectangular, flanged, die-cut and gasketed ends. Other ends can be designed by our engineering department to fit your requirements.

Contact factory for ducting to meet U.S. Military and commercial specifications for flame requirements. Cloth meets ASTM A 227 and copper plated per ASTM A818.

Sil-1 and 2 Military Specifications: NAS 1370-1379 (2 ply) MIL-H-8796 (2 ply), MIL-H-62028.

SIL-2™ 2001 Series

I.D. INCHES	DASH NO.	P. S.I.G.	BURST	MAX. LEAKAGE CFM	MAX. NEG. P. S.I.	WT. PER FT.	CUFF LENGTH	WALL THICKNESS
1.00	4	60	180	.015	15	2.0	1½	.070
1.25	5	60	180	.015	15	2.5	1½	.070
1.50	6	55	165	.015	13	3.0	1½	.070
1.75	7	55	165	.02	13	3.5	1½	.070
2.00	8	50	150	.02	10	4.0	1½	.070
2.25	9	50	150	.02	10	4.5	1½	.070
2.50	10	45	135	.025	8	5.0	1½	.070
2.75	11	45	135	.025	8	6.0	1½	.070
3.00	12	45	135	.03	7	6.2	1½	.070
3.25	13	45	135	.03	6	6.7	1½	.070
3.50	14	40	120	.035	6	7.2	1½	.070
3.75	15	40	120	.035	5	7.8	1½	.070
4.00	16	40	120	.04	5	8.4	1½	.080
4.50	18	35	105	.05	4	9.6	2	.080
5.00	20	35	105	.06	4	10.7	2	.080
5.50	22	30	90	.08	3	11.8	2	.080
6.00	24	30	90	.10	3	13.0	2	.080
8.00	32	15	45	.15	3	17.8	2	.110
10.00	40	8	24	.20	2	22.6	2½	.120
12.00	48	4	12	.30	2	27.1	2½	.120

Compresses to ½ extended length



A. Bronze Plated Helical Coiled Spring
B. Neoprene/Fiberglass Cover Ply
C. Neoprene/Fiberglass Continuous Filament Cord

NEO-1™ Single-Ply Neoprene Fiberglass Hose

(CAT Construction)

Applications: • Ideal for low pressure handling of hot or cold air, dust and fumes, in systems requiring minimum weight, and where air flow and friction requirements are not severe • Good for use at moderately high temperatures • Not recommended for handling liquids or abrasive materials.

Construction: Chemically-treated, helically-wound, bronze plated steel wire reinforcement is covered with a single ply of neoprene-coated woven fiberglass fabric. Then continuous filament fiberglass cord reinforcement is applied to outside. Heat-vulcanized for maximum bond and strength. Non-kinking, easy installation. Meets U.S. military and commercial low temperature flexibility and flame requirements (FAR 25.853). Temperature range -65°F to +300°F (-54°C to +149°C). Abrasion-resistant liner and cover available.



A. Neoprene/Fiberglass Inner Liner Ply
B. Helical Coiled Spring Wire
C. Neoprene/Fiberglass Cover Ply
D. Double Fiberglass Cord

NEO-2™ Double-Ply Neoprene Fiberglass Hose

(CEET Construction)

Applications: • Maximum strength for handling hot or cold air, dust, fumes and light powders • Good for use at moderately high temperatures • Not recommended for handling liquids or abrasive materials.

Construction: Smooth inner ply and cover ply of neoprene coated, woven fiberglass. Superior air flow and minimum friction loss. Chemically-treated helically-wound, spring steel wire for flexibility. Double, continuous filament, neoprene-coated fiberglass cord. Vulcanized for long service life. Lightweight, non-kinking. Meets U.S. military and commercial specifications for flame requirements and low temperature flexibility (FAR 25.853). Temperature range -65°F to +300°F (-54°C to +149°C). Abrasion-resistant cover and liner available.

NEO-1™ 3001 Series

I.D. INCHES	DASH NO.	P.S.I.G.	BURST	MAX. LEAKAGE CFM	MAX. NEG. P.S.I.	WT. PER FT.	CUFF LENGTH	WALL THICKNESS
1.00	4	35	70	.02	15	1.7	1½	.040
1.25	5	35	70	.02	15	2.1	1½	.040
1.50	6	25	30	.03	13	2.5	1½	.040
1.75	7	20	50	.03	13	3.0	1½	.040
2.00	8	15	40	.04	10	3.4	1½	.045
2.25	9	15	40	.05	10	3.8	1½	.045
2.50	10	10	35	.05	8	4.3	1½	.045
2.75	11	10	30	.06	8	4.7	1½	.045
3.00	12	10	30	.065	7	5.1	1½	.050
3.25	13	10	30	.065	6	5.3	1½	.050
3.50	14	10	25	.07	6	6.0	1½	.050
3.75	15	9	25	.08	5	6.5	1½	.050
4.00	16	9	25	.09	5	7.0	1½	.055
4.50	18	8	20	.10	4	7.7	2	.055
5.00	20	7	20	.125	4	8.7	2	.055
5.50	22	6	15	.13	4	9.3	2	.055
6.00	24	5	15	.14	3	10.6	2	.060
8.00	32	4	12	.16	3	12.4	2	.065
10.00	40	3	9	.18	2	17.8	2½	.080
12.00	48	2	6	.20	2	20.4	2½	.080

NEO 1 and 2 Military Specification: NAS 1370-1379 (2 ply), MIL-H-8796 (2 ply), MIL-H-62028, NEO 3: MIL-H-52079.

NEO-2™ 1001 Series

I.D. INCHES	DASH NO.	P.S.I.G.	BURST	MAX. LEAKAGE CFM	MAX. NEG. P.S.I.	WT. PER FT.	CUFF LENGTH	WALL THICKNESS
1.00	4	60	180	.02	15	2.0	1½	.060
1.25	5	60	180	.02	15	2.5	1½	.060
1.50	6	55	165	.02	13	3.0	1½	.060
1.75	7	55	165	.025	13	3.5	1½	.060
2.00	8	50	150	.025	10	4.0	1½	.060
2.25	9	50	150	.025	10	4.5	1½	.060
2.50	10	50	150	.030	8	5.0	1½	.060
2.75	11	45	135	.025	8	6.0	1½	.070
3.00	12	45	135	.05	7	6.2	1½	.070
3.25	13	45	135	.05	6	6.7	1½	.070
3.50	14	40	120	.06	6	7.2	1½	.070
3.75	15	40	120	.07	5	7.8	1½	.070
4.00	16	40	120	.075	5	8.4	1½	.070
4.50	18	35	105	.09	4	9.6	1½	.070
5.00	20	35	105	.10	4	10.7	2	.080
5.50	22	30	90	.12	4	11.8	2	.080
6.00	24	30	90	.15	3	13.0	2	.080
8.00	32	15	45	.175	3	17.8	2	.090
10.00	40	8	24	.2	2	22.6	2½	.100
12.00	48	4	18	.3	2	27.1	2½	.100

Compresses to 1/3 of extended length. Bend radius is one times diameter of hose.

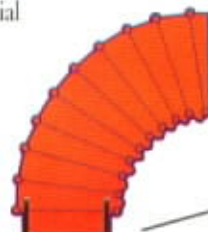
Unrestricted inside diameter in bends or axial compression is available by using Neo-2 or Sil-2. Other flexible hoses create restricted inside diameter in bends or axial compression.



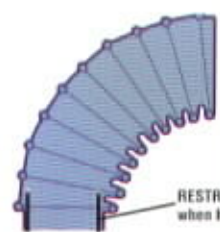
NEO-2 and SIL-2 FULL ID when hose is axially compressed



OTHER HOSES RESTRICTED ID when hose is axially compressed



FULL ID when hose is bent



RESTRICTED ID when hose is bent

Most other lightweight, flexible hose types including SIL-1 and NEO-1.

Ground Support Ventilation Ducting

Construction: Polyurethane foam insulation between two plies of heavy duty urethane coated nylon fabric with a sewn on abrasion resistant scuff strip. Zippered cuff each end with velcro flap for minimum air leakage.

Characteristics: Heavy duty, polyurethane foam insulated ducting with sewn on Vin-O-Fab scuff strip. Vin-O-Fab scuff strip reduces wear caused by dragging duct across rough surfaces. Zippered cuffs available to permit attachments of additional sections to form long duct assemblies. Flexfab ground support ducting is resistant to breakdown and powdering of insulation. Lightweight for ease of handling.



Outside Diameter: (When Rolled) 16" Width: 20" (for 12" duct); 27" (for 14" duct)
BTU/Hr./Ft. Length/F: 1.09 (for 12" duct); 1.28 (for 14" duct)
Temperature Range: -40°F to +275°F (-40°C to +135°C)
 Meets FAR 25.853 B2 horizontal test.

FLAT DUCT VENTILATION HOSE

SIZE			PART NUMBER
I.D.	LENGTH		
12"	x 96"		1210-0019
12"	x 120"		1210-0020
12"	x 240"		1210-0021
12"	x 300"		1210-0014
14"	x 96"		1210-0017
14"	x 120"		1210-0006
14"	x 240"		1210-0007
14"	x 300"		1210-0008

TAPERED ADAPTER DUCT

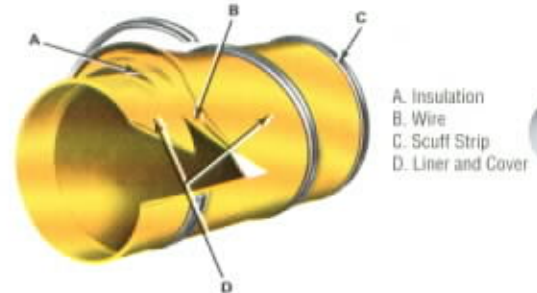
SIZE			PART NUMBER
I.D.	LENGTH		
12"	x 8" x 26"		1214-0004
14"	x 8" x 26"		1214-0002

**Available with nylon rod reinforcement
 NOTE: Other sizes and lengths available upon request.
 Non-insulated flat duct available upon request.*

INSULFAB™

Applications: Recommended for heating and air conditioning applications requiring low heat loss factors, large volumes of low pressure air and where flexibility and low weight is a design requirement. Can be used with flat duct as lead-off duct or elbow as required.

Construction: A two-ply, flexible, heavy duty, high-abrasion resistant, rugged coated fabric material with polyurethane foam insulation between plies with sewn-on abrasion-resistant scuff strip. Galvanized, helically-coiled, reinforcing wire. Soft cuff facilitates installation. Lightweight for easy storage and transport. Special end cuffs available allowing sections to be linked or detached in seconds without tools. Safety yellow color standard. Custom colors are available.



Special Cuffs

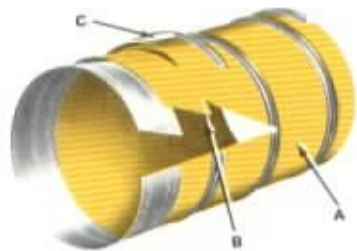


INSULFAB™ 1215 Insulated Wire Supported Heating/Air Conditioning Hose

I.D.	PART NUMBER	COMPRESSED LENGTH	WEIGHT PER FOOT (LBS.)	TEMPERATURE RANGE	WIRE
12"	1215 Series	15%	2.0	-40°F, +250°F -40°C, +121°C	7" Pitch
14"	1215 Series	15%	2.3	-40°F, +250°F -40°C, +121°C	7" Pitch

*Standard Lengths are 10', 20', 25', and 30'.
 Note: I.D. sizes from 6" to 36" are available. Custom lengths up to 30' long; custom colors and other material compositions are available as special order.
 1202 series available with fiberglass insulation.*

All specifications in this catalog are subject to change without notice.



- A. Single Ply Coated Fabric
- B. Galvanized Helically Coiled Spring Steel
- C. Extruded "Vin-O-Fab" Cover

VENTFAB™

Applications: • Handles large volume of air at relatively low pressure • Also used for fume control.

Construction: Flexible, rugged, one-ply coated fabric, non-insulated hose in heavy or light duty fabrics. Reinforced with galvanized, helically-coiled spring steel. Sewn-on abrasion resistant scuff strip. Soft cuff facilitates installation. Special end cuffs available allowing sections to be linked or detached in seconds without tools. Easily retracted. Lightweight for simple storage and transport.

VENTFAB™ 1100 Heavy Duty Wire Supported Black Neoprene Coated Woven Nylon

I.D.	PART NUMBER	COMPRESSED LENGTH	WEIGHT PER FOOT (LBS.)	TEMPERATURE RANGE	WIRE
12"	1100 Series	15%	.96	-40°F, +275°F -40°C, +135°C	7" Pitch
14"	1100 Series	15%	1.12	-40°F, +275°F -40°C, +135°C	7" Pitch

Standard Lengths are 10', 20', 25', and 30'.
Meets Federal Test Method Standard 191, Method 5903

VENTFAB™ 1127 Light Duty Wire Supported Vinyl Polyester, Safety Yellow

I.D.	PART NUMBER	COMPRESSED LENGTH	WEIGHT PER FOOT (LBS.)	TEMPERATURE RANGE	WIRE
12"	1127 Series	15%	.96	-40°F, +250°F -40°C, +121°C	7" Pitch
14"	1127 Series	15%	1.12	-40°F, +250°F -40°C, +121°C	7" Pitch

Standard Lengths are 10', 20', 25', and 30'. Meets ASTM E162 flame test.

Jet Engine Starter Hose

Flexfab's commercial 500° flexible jet engine starter hose is constructed of silicone, polyester reinforced fabric. This hose is manufactured to meet the high quality standards required by commercial airlines and equipment specifiers.

Shur-Bite End Fitting

Allows instant adaption of hose to standard air start couplings and is automatically self-tightening during operation.

Scuff Cover with Protective Rubber Bumper

Commercial grade, continuous weave, replaceable scuff cover with high-profile bumper insures total hose protection. Leno weave or open braid scuff covers are available.

- Duct Diameter: 3.5" I.D.
- Cover Diameter: 4.25" I.D.
- Average Weight: 1.1 lbs. per ft. hose
0.5 lbs. per ft. cover
- Temperature Range: -80°F to +500°F
(-62°C to +260°C)
- Pressure: 250 psig proof
400 psig minimum burst
- Tensile Strength: 1500 lbs. minimum

JET ENGINE STARTER HOSE

SIZE LENGTH	HOSE ONLY PART NUMBER	JACKET ONLY PART NUMBER	JACKET ASSEMBLY PART NUMBER
20.00'	5611-2000	5608-2100	5612-2000
25.00'	5611-2500	5608-2625	5612-2500
30.00'	5611-3000	5608-3150	5612-3000
35.00'	5611-3500	5608-3675	5612-3500
40.00'	5611-4000	5608-4200	5612-4000
45.00'	5611-4500	5608-4725	5612-4500
50.00'	5611-5000	5608-5250	5612-5000
55.00'	5611-5500	5608-5775	5612-5500
60.00'	5611-6000	5608-6300	5612-6000

*Shur-Bite end fitting not included, but may be ordered separately.



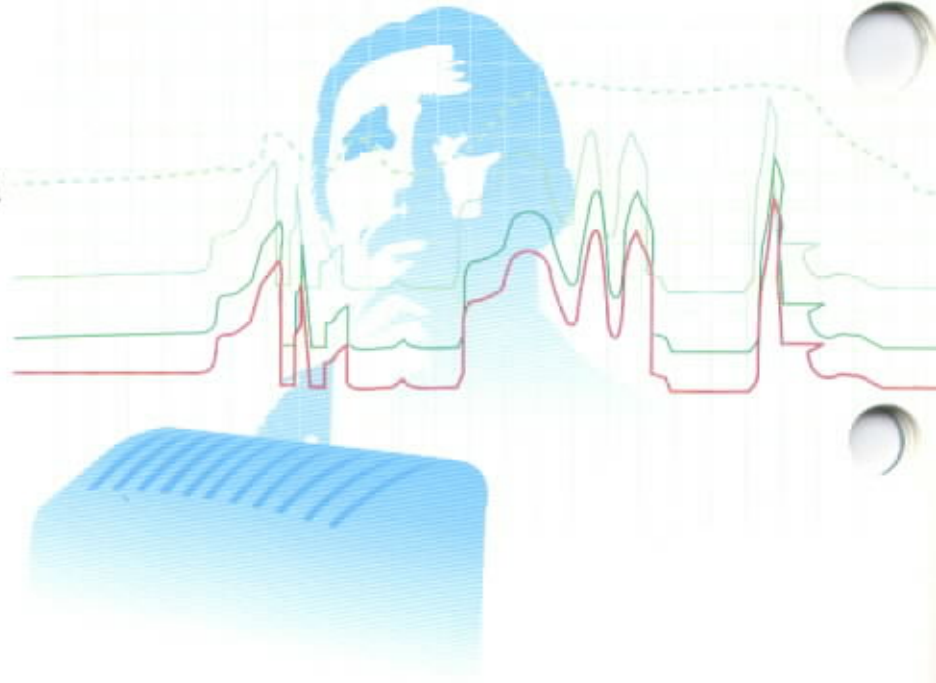
©Dacron is a registered trademark of DuPont.
MIL-D-22706 600° construction also available.

The Future . . .

At Flexfab, the future is constantly unfolding. Here, possibilities become reality as products for the year 2000 and beyond are developed and perfected.

We welcome your challenges. Let our innovative, pioneering spirit take your "What if..." and make it your next design triumph.

As you plan for the future, keep Flexfab in mind. We can help you get there.



Engineering Services

At Flexfab, all aspects are considered from design concept to finished product. It's the only way you can be assured that the end product is uniquely suited to your specific application. Not only do our design engineers take into consideration all functions of the product's end use, but raw materials, too, are formulated specifically for those functions.

A wide selection of materials allows us to provide an endless number of combinations to meet your specifications.

Some examples:

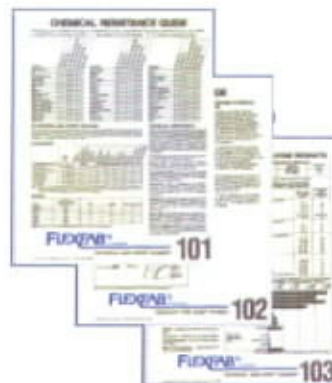
Elastomers: •Silicone •Neoprene •Nitriles •Vinyls
•Fluorosilicones •Butyl.

Reinforcing fabrics: •Fiberglass •Nylon •Nomex®
•Polyester •Cotton.

Additional reinforcements: •Helically coiled wire
•Wire rings •Rigid resins – epoxies and polyesters
•Nylon rod •Engineered fittings.

Military Specifications: We manufacture items to many military specifications. We invite your inquiries.

®Nomex is a trademark of DuPont.



Technical Data Sheets detailing the complete characteristics of Flexfab Silicone Products are available.

Manufacturing - Raw Materials to Finished Product

Some of the basic manufacturing processes to serve your varied needs.



Milling of the raw silicone materials and custom colors.



Calendering. We compound, mix and calender silicone and other exotic compounds to a wide array of reinforcing fabrics; single or double coatings, a range of durometers, precise thickness and widths.



Auto-clave curing. Heat vulcanizing, post curing and auto claving are some of the processes we employ.



Custom molding. Both high volume and specialty molding to meet your varied requirements.



Sewing for a wide variety of applications.



Extruding hose with multiple reinforcements of custom strands or fabrics.



Custom shapes. Applications requiring unusual and complex shaped products to meet low volume demands are a part of our everyday business.



Automatic mandrel made hose with or without wire or nylon rod reinforcements in single or multiple fabric coatings.

