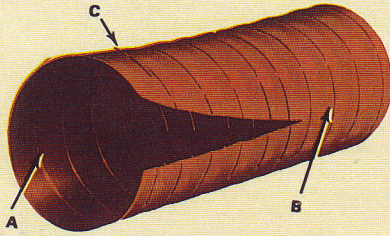


SILFAB[®]-1



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

FLX4001 - Single Ply Silicone Fiberglass

A chemically-treated, helically-wound, bronze plated, spring steel wire is covered with a single ply of silicone-coated, woven fiberglass fabric. The hose is then reinforced with a continuous filament fiberglass cord placed between wire coils. The assembly is heat-vulcanized for maximum seam adhesion and rubber-to-wire bond.

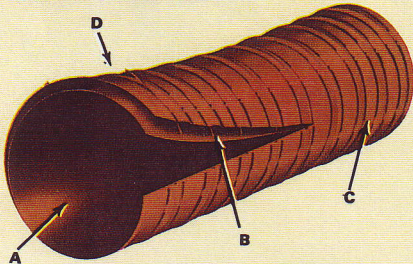
APPLICATIONS: Recommended for low pressure handling of higher and lower temperature air, dust or fumes than Neofab-1. Ideal for use in situations where minimum weight is required and air flow and friction requirements are not severe. Good for heater applications. Meets U.S. Military and commercial low temperature flexibility and flame requirements. Silfab-1 is non-kinking even in sharp bends. Simple to install. Not recommended for handling liquids or abrasive materials.

CHARACTERISTICS: •Temperature range – 65°F to + 450°F •Resistance: Oils and solvents — fair; Ozone and fungus — excellent; Alkalis and water — good. Very flexible at low temperatures, odor free in hot air service.

Inside Diameter (Inches)	1	1¼	1½	1¾	2	2¼	2½	2¾	3	3¼	3½	3¾	4	4½	5	5½	6
Pressure (P.S.I.G.) Working	20	20	15	15	10	10	10	10	10	9	9	9	8	7	6	5	4
Burst	40	40	30	30	20	20	20	20	20	18	18	18	15	14	10	10	10
Maximum Leakage (C.F.M.) At 5 P.S.I.G. per F/L	.02	.02	.03	.03	.04	.05	.05	.06	.065	.065	.07	.08	.10	.10	.125	.13	.15
Maximum Negative Working Pressure (P.S.I.G.)	12	12	10	10	8	8	7	7	6	6	6	5	5	4	4	3	3
Weight Per Foot (Oz.)	1.7	2.1	2.5	3.0	3.4	3.8	4.3	4.7	5.1	5.3	6.0	6.5	7.0	7.7	8.7	9.3	10.6
Soft Cuff Length (Inches)	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	2	2	2	2
Wall Thickness (Over Wire)	.040	.040	.040	.040	.045	.045	.045	.045	.050	.050	.050	.050	.055	.055	.055	.055	.060

Compresses to 1/3 of extended length.

SILFAB[®]-2



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

FLX2001- Double Ply Silicone Fiberglass

Silfab-2 is a 2-ply hose with an inner liner ply and cover ply of woven fiberglass and coated with silicone rubber. A helically-wound spring steel wire is imbedded between the plies to insure maximum flexibility and minimum diameter restrictions in sharp bend areas. The assembly is double-wound with a treated fiberglass cord and heat-vulcanized to provide greater strength and serviceability.

APPLICATIONS: Recommended for medium pressure handling of air, dust, fumes and light powders. Inner ply provides smoother inside diameter for maximum air flow and minimum friction loss. The 2-ply construction offers greater strength than single ply ducts. Meets U.S. Military and commercial specifications for low temperature flexibility and flame requirements. Silfab-2 is lightweight, non-kinking and simple to install. Not recommended for handling liquids or abrasive materials.

CHARACTERISTICS: •Temperature range – 80°F to + 600°F (see page 12 for additional data) •Meets requirements of United States Air Force for low temperature flexibility and high temperature stability. •Resistance: Oils and solvents — fair; Water and alkalis — good; Ozone and fungus — excellent. •Excellent for use in handling hot or cold air, dust and fumes •Excellent electrical properties over entire temperature range.

Inside Diameter (Inches)	1	1¼	1½	1¾	2	2¼	2½	2¾	3	3¼	3½	3¾	4	4½	5	5½	6	8	10	12
Pressure (P.S.I.G.) Working	60	60	55	55	50	50	45	45	45	45	40	40	40	35	35	30	30	15	8	4
Burst	180	180	165	165	150	150	135	135	135	135	120	120	120	105	105	90	90	45	24	12
Maximum Leakage (C.F.M.) At 15 P.S.I.G. per F/L	.015	.015	.015	.02	.02	.02	.025	.025	.03	.03	.035	.035	.04	.05	.06	.08	.10	.15	.20	.30
Maximum Negative Working Pressure (P.S.I.G.)	15	15	13	13	10	10	8	8	7	6	6	5	5	4	4	4	3	3	2	2
Weight Per Foot (Oz.)	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	6.2	6.7	7.2	7.8	8.4	9.6	10.7	11.8	13.0	17.8	22.6	27.1
Soft Cuff Length (Inches)	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½	2	2	2	2	2½	2½
Wall Thickness (Over Wire)	.070	.070	.070	.070	.070	.070	.070	.070	.070	.070	.070	.070	.080	.080	.080	.080	.090	.110	.120	.120

Compresses to 1/2 of extended length.

SILFAB-1 and SILFAB-2 NOTES:

Center line bend radius is less than one times the diameter of the hose.

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.

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