



High-Quality Hoses Designed and Optimized for Agricultural Applications

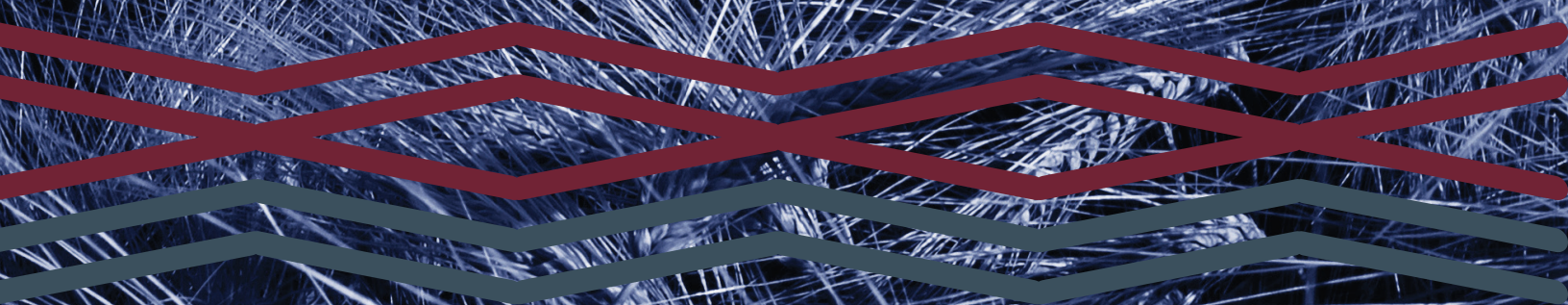



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Kanaflex Corporation's agricultural hoses are the ideal choice for the agricultural industry, offering unmatched durability and flexibility. Engineered with advanced materials, Kanaflex hoses withstand harsh conditions and heavy use, ensuring reliable performance for irrigation, spraying, and material handling. Our innovative design provides superior resistance to abrasion, chemicals, and extreme temperatures, maximizing efficiency and productivity on the farm. Trust Kanaflex for your agricultural needs and experience the difference in quality and dependability.

Air Seeder

flexFLO™ lite U 100, 110, and 112

The Kanaflex flexFLO™ lite U 100 Polyurethane Hose and the 110, 112 PVC Ag Hoses are optimal choices for air seeding in agricultural applications

Material Composition

All three hoses are constructed with high-quality materials suited for agricultural environments. The Kanaflex 100 UCLRD has the longest service life. It features a polyurethane construction, offering excellent durability, flexibility, and resistance to abrasion, making it ideal for rugged agricultural use. The flexFLO™ 110 and 112 PVC Ag Hose are both made from PVC (polyvinyl chloride), providing good flexibility and resistance to weathering and chemicals commonly encountered in agricultural settings. The flexFLO™ 110 covers 3/4" and 1" while flexFLO™ 112 covers 1-1/4" and larger.

Chemical Compatibility

The materials used in all three hoses are compatible with a wide range of agricultural chemicals, including fertilizers and pesticides, ensuring long-term reliability and performance in air seeding applications.

The composition and compatibility of all three hoses makes them indispensable components of air seeding systems used by farmers to optimize crop production.



>> PRECISE SEED DISTRIBUTION



Liquid Fertilizer

flexCHEM™ 300 and 390

The Kanaflex flexCHEM™ 300 EPDM Hose and the 390 Static Dissipating Hose stand out as ideal choices for handling liquid fertilizer in agricultural settings.

Chemical Resistance

Liquid fertilizers often contain various chemicals that can degrade standard hoses over time. Both the Kanaflex 300 EPDM and 390 SD hoses are constructed with EPDM (ethylene propylene diene monomer) rubber, which offers excellent resistance to a wide range of chemicals commonly found in fertilizers. This ensures longevity and reliability in handling corrosive substances.

EPDM Construction

EPDM rubber is known for its exceptional durability, flexibility, and resistance to weathering and abrasion. This makes both hoses highly suitable for the rigorous demands of agricultural operations, where hoses may encounter rough handling and exposure to harsh environmental conditions.

Static Dissipation

The Kanaflex 390 SD Hose is specifically designed for higher pressure applications, the reinforcement supports applications up to 90 psi working pressure. It is also engineered to dissipate static electricity buildup, which is crucial when transferring liquids with high conductivity, such as liquid fertilizers. Static discharge cannot only damage equipment but also pose safety hazards. By preventing static buildup, the Kanaflex 390 ensures safe and efficient handling of liquid fertilizers, while also being ideal for higher pressure applications.

Both hoses' ability to withstand the challenges of agricultural environments makes them indispensable tools for farmers and agricultural professionals.

>> EFFICIENT FERTILIZER SPRAYING



Grain Vac and Downspouts

flexVAC™ lite 180 AR and lite U Boom ST

The Kanaflex flexVAC™ lite 180 AR Hose and the Kanaflex flexVAC™ lite U Boom ST Hose are optimal choices for grain vacs and downspouts in agricultural applications.

Abrasion Resistance

Grain vacs and downspouts often handle abrasive materials such as grain, seeds, and other bulk solids. Both the Kanaflex 180 AR Hose and the lite U Boom ST Hose are constructed with durable materials that offer exceptional resistance to abrasion, ensuring longevity and reliability even in demanding agricultural environments.

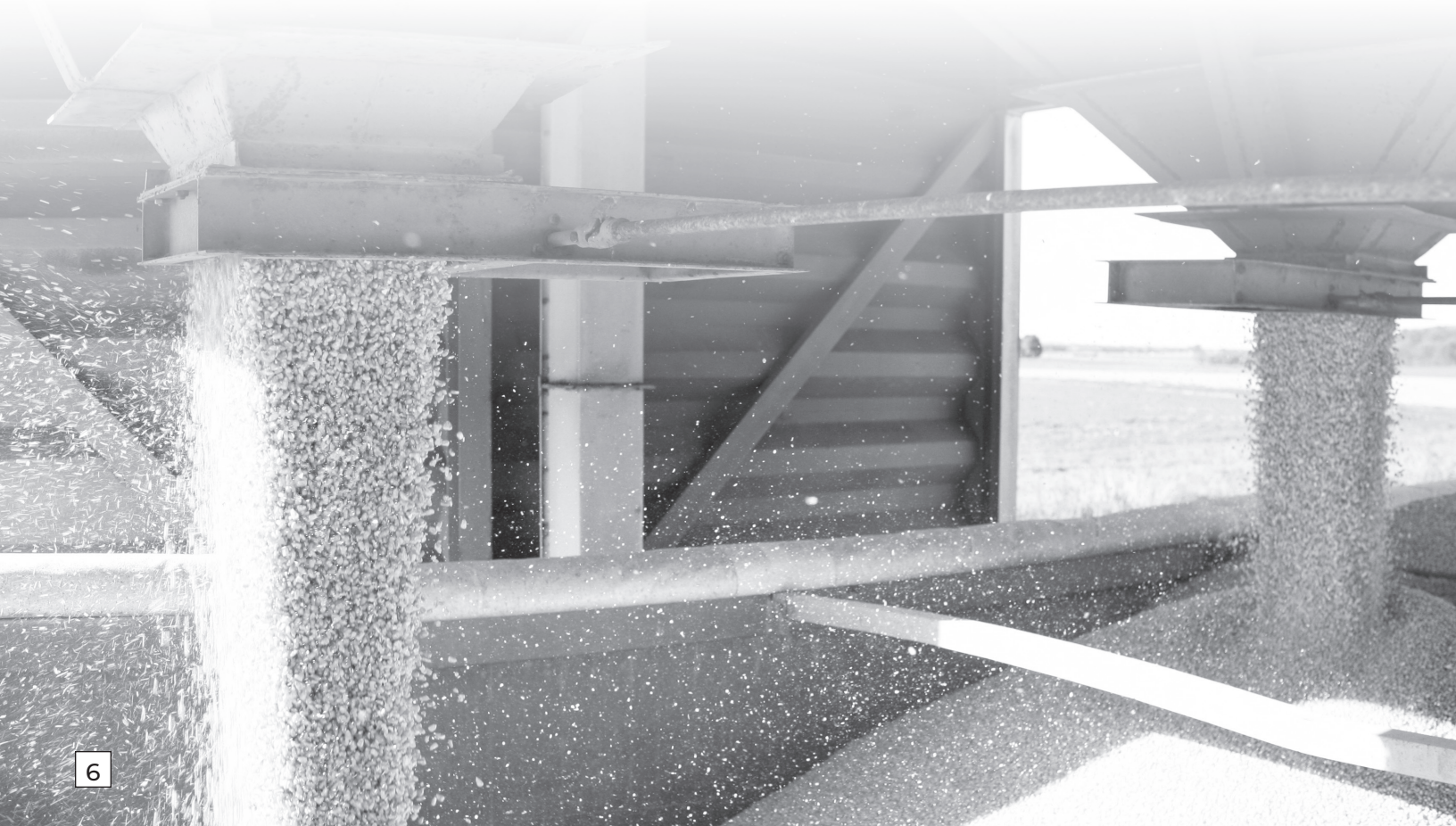
Lightweight Design

Both hoses feature a lightweight design that reduces operator fatigue and facilitates easy handling and installation. This is particularly advantageous in agricultural settings where equipment may need to be moved frequently or operated in remote locations.

Both hoses are built for the demands of material handling operations while still being lightweight and safe, making them the ideal choice for farmers everywhere.



>> SAFE GRAIN CONVEYING



Air Conveying

flexDUCT™ 620 and 625

The Kanaflex flexDUCT™ 620 Duct Hose and the 625 Duct Hose are optimal choices for air conveying in agricultural applications.

Flexibility and Maneuverability

These hoses are designed to be highly flexible, allowing for easy maneuverability around obstacles and through tight spaces commonly encountered in agricultural operations. This flexibility makes them well-suited for use in air conveying systems where the ability to navigate efficiently is essential for optimal airflow and system performance. For added protection, 625 offers a wear strip, a raised helix protecting the tube from exterior abrasion.

Smooth Bore Design

Both hoses feature a smooth bore design that minimizes airflow resistance, ensuring efficient air conveying and optimal system performance. This is particularly advantageous in agricultural applications where maintaining consistent airflow is essential for various processes such as pneumatic conveying, ventilation, and dust collection.

The Kanaflex flexDUCT™ 620 Duct Hose Series ensures safety, efficiency, and optimal airflow, making them indispensable components of air conveying systems used by farmers and agricultural professionals.

>> RESISTANCE-FREE AIRFLOW





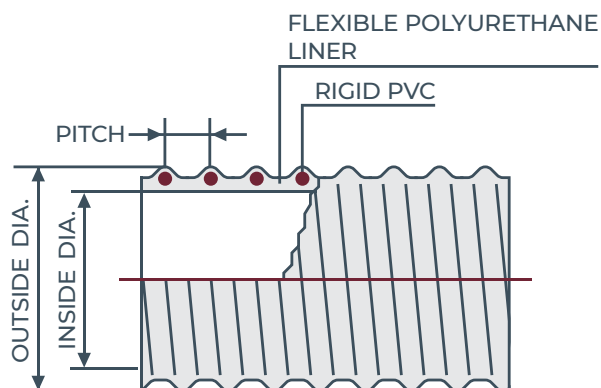
Technical Data Sheets

flexFLO™ lite U 100 (100 UCLRD)

Medium-duty polyurethane dry material handling hose



Engineered for sub-zero flexibility. With a clear polyurethane-lined PVC tube, it ensures abrasion resistance, visual material flow check, and quiet operation. Ideal for dry material pneumatic conveying, plastic pellet and powder transfer (non-static), and diverse agricultural applications.



FEATURES

Lightweight and flexible in sub-zero temperatures. Clear polyurethane lined PVC tube provides abrasion resistance, permits visual check of material flow, prevents material build up, and provides quiet operation. Corrugated PVC O.D. with raised PVC helix for increased flexibility and easy drag.

APPLICATIONS

Dry material pneumatic conveying systems and plastic pellet and powder transfer when static is not a concern. Agricultural applications, such as air seeders, abrasive material vacuum systems, and industrial vac equipment.

CONSTRUCTION

Flexible polyurethane lined PVC tube, rigid PVC helix, smooth bore, PVC corrugated O.D.

TEMP. RANGE

-13°F to 140°F

ACCESSORIES

Banding coil, Powerlock clamp

NOTE

Not a food-grade hose

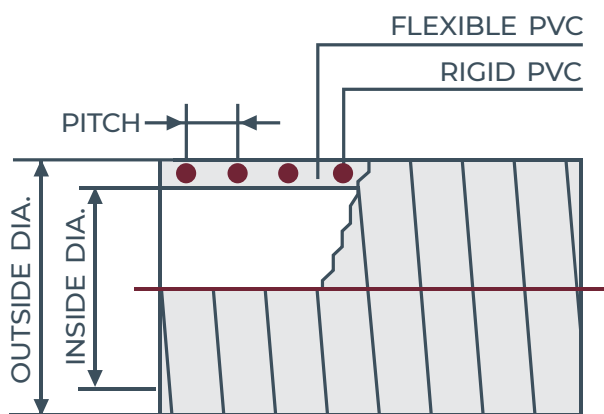
AVAILABLE SIZES

ID (inches)	OD (inches)	Pitch (inches)	Minimum Bend Radius (72°F, inches)	Working Pressure (72°F, PSI)	Vacuum Rating (72°F, In Hg)	Weight (Lbs/Ft)	Standard Length (Ft)
1	1.30	0.30	1.5	50	29.8	0.19	100*
1-1/4	1.58	0.33	2.0	45	29.8	0.24	100*
1-1/2	1.81	0.35	2.5	45	29.8	0.37	100*
2	2.36	0.39	3.0	40	29.8	0.50	100*
2-1/2	2.93	0.53	5.0	35	29.8	0.71	100
3	3.50	0.59	6.0	35	29.8	1.00	100
4	4.63	0.65	8.0	30	29.8	1.52	100**
5	5.73	0.87	11.0	30	28.0	2.50	50,100**
6	6.85	0.87	12.0	30	28.0	3.10	50,100**

flexFLO™ 110 (110 CL/110 GR)

Heavy-duty water suction and discharge hose

A versatile solution for agricultural, marine, and fish suction applications. Lightweight, flexible, and featuring a clear sidewall for visual inspection, it ensures precise flow in temperatures from -13°F to 140°F.



FEATURES

Lightweight and flexible water and suction hose. Clear sidewall permits visual check of material flow. The smooth bore allows for precise flow because no irregularities in the wall can cause interruptions. Smooth bore also promotes drainability.

APPLICATIONS

Heavy-duty water and suction hose with multiple agricultural applications including, air seeder, fertilizer sprayer, foam markers, irrigation, and manure spreading. Also useful in fish suction applications

TEMP. RANGE

-13°F to 140°F

CONSTRUCTION

Flexible PVC, rigid PVC helix, smooth bore, smooth O.D.

NOTE

Not a food-grade hose

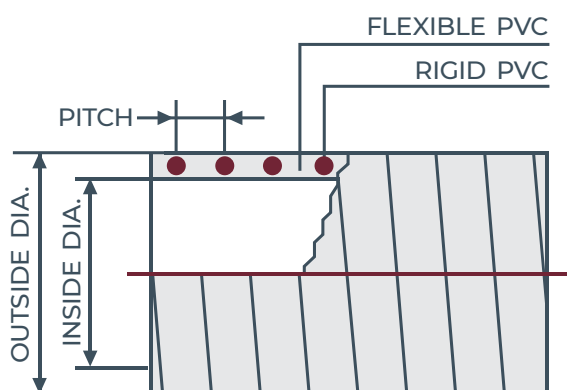
AVAILABLE SIZES

ID (inches)	OD (inches)	Pitch (inches)	Minimum Bend Radius (72°F, inches)	Working Pressure (72°F, PSI)	Vacuum Rating (72°F, In Hg)	Weight (Lbs/Ft)	Standard Length (Ft)
3/4	0.95	0.22	1.9	86	29.8	0.16	100
1	1.25	0.22	1.9	86	29.8	0.26	100
1-1/4	1.52	0.26	2.7	79	29.8	0.37	100
1-1/2	1.81	0.30	2.8	72	29.8	0.44	100
2	2.38	0.33	3.9	72	29.8	0.74	100
2-1/2	2.92	0.37	5.0	72	29.8	1.01	100
3	3.41	0.37	7.0	62	29.8	1.21	100
4	4.50	0.43	9.1	55	29.8	2.01	100
5	5.55	0.45	14.0	33	28.0	2.45	50, 100
6	6.67	0.53	15.0	33	28.0	3.37	50, 100
8	8.83	0.70	20.0	28	28.0	5.80	20, 25

flexFLO™ 112 (112 CL/112 AG)

Economical heavy-duty water suction and discharge hose

An ideal solution for various agricultural applications such as air seeder, fertilizer sprayer, foam markers, irrigation, and manure spreading. Lightweight, flexible, and featuring a clear sidewall for visual inspection, it ensures precise flow and optimal drainability.



FEATURES

Lightweight and flexible water and suction hose. Clear sidewall permits visual check of material flow. The smooth bore allows for precise flow because no irregularities in the wall can cause interruptions. Smooth bore also promotes drainability.

APPLICATIONS

Economical water and suction hose with multiple agricultural applications including, air seeder, fertilizer sprayer, foam markers, irrigation, and manure spreading. Also useful in fish suction applications.

TEMP. RANGE

-13°F to 140°F

CONSTRUCTION

Flexible PVC, rigid PVC helix, smooth bore, smooth O.D.

NOTE

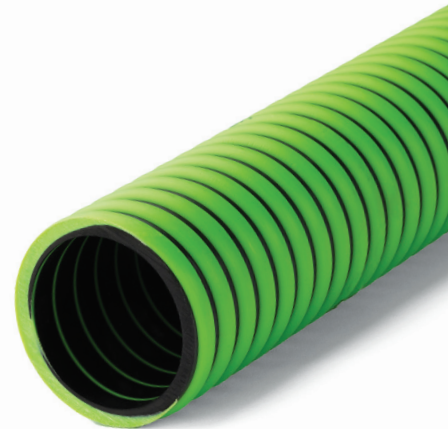
Not a food-grade hose

AVAILABLE SIZES

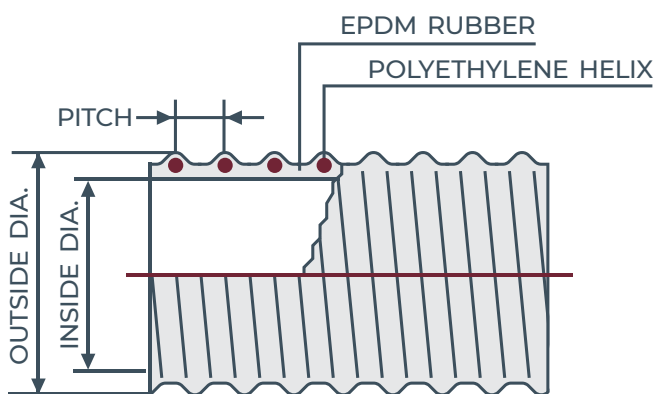
ID (inches)	OD (inches)	Pitch (inches)	Minimum Bend Radius (72°F, inches)	Working Pressure (72°F, PSI)	Vacuum Rating (72°F, In Hg)	Weight (Lbs/Ft)	Standard Length (Ft)
1-1/4	1.47	0.26	3.0	80	29.8	0.29	100
1-1/2	1.77	0.30	4.0	70	29.8	0.39	100
2	2.30	0.33	5.0	65	29.8	0.63	100
2-1/2	2.84	0.37	6.0	65	29.8	0.87	100
3	3.35	0.37	8.0	55	29.8	1.05	100
4	4.45	0.43	10.0	50	29.8	1.80	100

flexCHEM™ 300 (300 GR/EPDM)

All purpose chemical suction and discharge hose



A versatile solution for challenging environments. Lightweight and flexible, resistant to most agricultural chemicals, with an external helix for easy drag. Ideal for construction dewatering, liquid waste, cesspool cleaning, septic handling, agricultural applications, and marine use. The smooth bore ensures precise flow.



FEATURES

Lightweight and flexible, this hose is resistant to most agricultural chemicals. External helix provides for easy drag. The smooth bore allows for precise flow because no irregularities in the wall can cause interruptions.

APPLICATIONS

Heavy-duty liquid suction hose for use in construction dewatering, liquid waste, cesspool cleaning, septic handling, agricultural applications and marine use.

TEMP. RANGE

-40°F to 140°F

CONSTRUCTION

EPDM rubber, polyethylene helix, smooth bore, corrugated O.D.

NOTE

Hose available with red, blue, yellow, and black helix with 500 ft. minimum order.

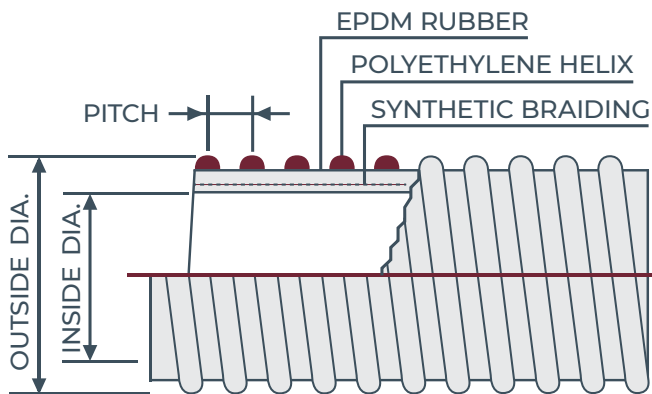
AVAILABLE SIZES

ID (inches)	OD (inches)	Pitch (inches)	Minimum Bend Radius (72°F, inches)	Working Pressure (72°F, PSI)	Vacuum Rating (72°F, In Hg)	Weight (Lbs/Ft)	Standard Length (Ft)
1	1.34	0.30	1.9	50	29.8	0.23	100
1-1/4	1.7	0.33	3.2	50	29.8	0.34	100
1-1/2	2.0	0.35	3.2	50	29.8	0.40	100
2	2.5	0.39	5.2	50	29.8	0.67	100
2-1/2	3.1	0.56	5.6	50	29.8	0.92	100
3	3.6	0.59	7.1	43	29.8	1.10	100
4	4.7	0.65	11.0	38	29.8	1.84	100
6	6.9	0.87	20.0	23	28.0	3.07	60, 100

flexCHEM™ 390 (390 SD)

Heavy-duty reinforced chemical suction and discharge hose

Combining flexibility and durability. With synthetic braiding for increased flexibility and abrasion resistance, it's rated for both suction and discharge. Resistant to agricultural chemicals, ideal for construction applications, and suitable for liquids such as agricultural chemicals, liquid fertilizers, and dewatering.



FEATURES

The lightweight hose comes with synthetic braiding that provides increased flexibility and abrasion resistance. Rated for both suction and discharge. External helix provides for easy drag. Resistant to agricultural chemicals and durable in construction applications. The smooth bore allows for precise flow because no irregularities in the wall can cause interruptions.

APPLICATIONS

Suction and discharge of liquids in the construction, and agricultural industries such as agricultural chemicals, liquid fertilizers, and dewatering

TEMP. RANGE

-40°F to 140°F

CONSTRUCTION

EPDM rubber, polyethylene helix, synthetic braiding, smooth bore, corrugated O.D.

ACCESSORIES

Banding coil, Powerlock clamp

AVAILABLE SIZES

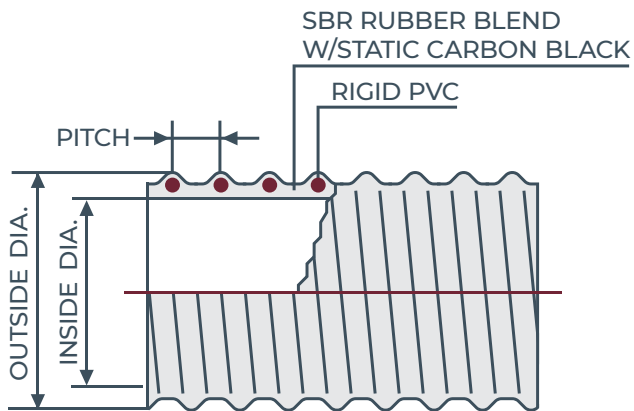
ID (inches)	OD (inches)	Pitch (inches)	Minimum Bend Radius (72°F, inches)	Working Pressure (72°F, PSI)	Vacuum Rating (72°F, In Hg)	Weight (Lbs/Ft)	Standard Length (Ft)
1-1/4	1.8	0.39	3.0	100	29.8	0.45	60, 100
1-1/2	2.1	0.43	3.0	100	29.8	0.50	60, 100
2	2.6	0.47	5.0	100	29.8	0.73	60, 100
3	3.7	0.59	7.0	90	29.8	1.25	60, 100

flexVAC™ lite 180 AR (180 BL)

Lightweight abrasion resistant blower and suction hose



A versatile solution for suction and light blowing of lightweight abrasives. Its SBR rubber blend with static carbon black ensures exceptional abrasion resistance and static dissipation. Ideal for materials like rockwool, fiberglass, sawdust, grain, insulation, and cement dust.



FEATURES

The lightweight and flexible SBR rubber hose blended with static carbon black makes it extremely abrasion resistant. Static dissipating with no grounding wire. The smooth bore allows for precise flow because no irregularities in the wall can cause interruptions.

APPLICATIONS

Designed for suction and light blowing of lightweight abrasives such as rockwool, fiberglass, sawdust, grain, insulation and cement dust.

TEMP. RANGE

-40°F to 140°F

CONSTRUCTION

SBR rubber blended with static carbon black, rigid PVC helix, smooth bore, corrugated O.D.

AVAILABLE SIZES

ID (inches)	OD (inches)	Pitch (inches)	Minimum Bend Radius (72°F, inches)	Working Pressure (72°F, PSI)	Vacuum Rating (72°F, In Hg)	Weight (Lbs/Ft)	Standard Length (Ft)
2-1/2	2.91	0.56	2.5	18	25.0	0.71	100
3	3.44	0.59	3.0	13	23.0	0.92	100
4	4.53	0.65	4.0	10	20.0	1.50	50,100
5	5.63	0.87	5.0	8	15.0	1.68	50,100
6	6.67	0.87	9.0	8	15.0	2.40	50,100
7	8.71	0.87	10.0	8	15.0	3.00	50
8	8.98	0.91	12.0	8	15.0	4.40	50

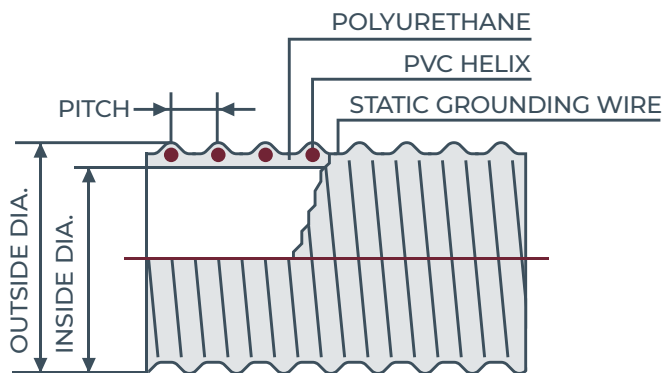
flexVAC™ lite U Boom ST

(KB LITE ST)

Medium-duty wet & dry material remote hose with grounding wire



Ideal for diverse applications. Lightweight, flexible, and abrasion-resistant, with a static copper wire for dissipating charges. Suitable for hydro-vac trucks, vacuum trucks, general construction with rock, gravel, sand, and crushed concrete, as well as industrial vac equipment, roof vac, dry fertilizer, and petcoke.



FEATURES

Lightweight and flexible in sub-zero temperatures. Abrasive resistant polyurethane tube provides increased lifetime, prevents material build-up and provides quiet operation. Static copper wire in construction dissipates static charge when connected to a grounded system. External helix provides for easy drag.

APPLICATIONS

Hydro-vac truck, vacuum truck, general construction use, such as rock, gravel, sand and crushed concrete. Industrial vac equipment, roof vac, dry fertilizer and petcoke.

CONSTRUCTION

Flexible abrasion polyurethane liner, rigid PVC helix, smooth bore, PVC corrugated O.D. with static dissipating materials and grounding wire.

TEMP. RANGE

-40°F to 140°F

ACCESSORIES

Banding coil or Powerlock Clamp must be used for all sizes.

NOTE

Not a food-grade hose.

AVAILABLE SIZES

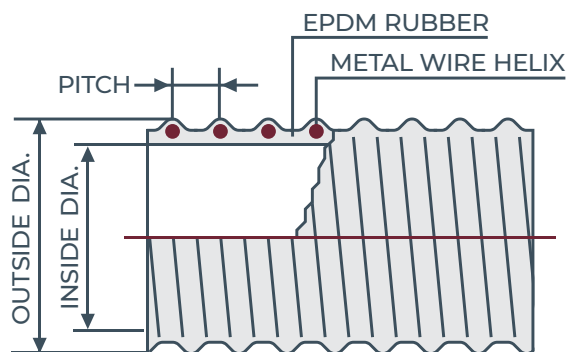
ID (inches)	OD (inches)	Pitch (inches)	Minimum Bend Radius (72°F, inches)	Working Pressure (72°F, PSI)	Vacuum Rating (72°F, In Hg)	Weight (Lbs/Ft)	Standard Length (Ft)
1 1/2	1.81	0.35	2.0	35	29.0	0.39	100
2	2.36	0.39	2.5	27	29.0	0.55	100
2 1/2	2.93	0.53	4.5	27	29.8	0.75	100
3	3.50	0.59	5.5	25	29.0	1.10	100
4	4.55	0.65	6.5	20	28.0	1.60	50, 100
5	5.73	0.83	11.0	20	28.0	2.75	50, 100
6	6.73	0.83	11.0	20	28.0	3.80	50, 100
8	9.04	0.91	16.0	20	27.0	5.38	50

flexDUCT™ 620 (620 WD)

General ducting and blower hose



A versatile solution rated to 220°F. Combining abrasion resistance with flexibility, it's ideal for lightweight abrasives like sawdust, grass clippings, street refuse, and cotton pickers. Constructed with EPDM rubber, a metal wire helix, a smooth bore, and a slightly corrugated outer diameter.



FEATURES

Rated to 220°F. Abrasion resistant yet very flexible. 100% rubber sidewall (no fabric).

APPLICATIONS

For use with lightweight abrasives such as sawdust, grass clippings, street refuse and cotton pickers.

CONSTRUCTION

EPDM rubber, metal wire helix, smooth bore, slightly corrugated O.D.

TEMP. RANGE

-40°F to 220°F

AVAILABLE SIZES

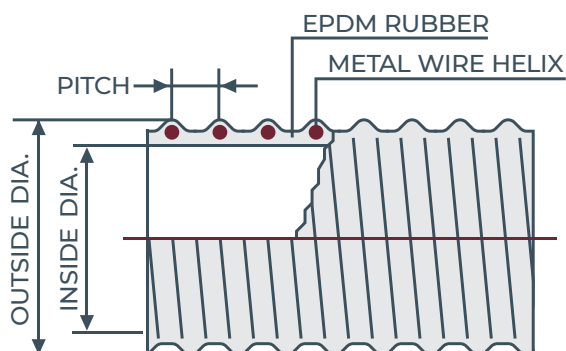
ID (inches)	OD (inches)	Pitch (inches)	Minimum Bend Radius (72°F, inches)	Working Pressure (72°F, PSI)	Vacuum Rating (72°F, In Hg)	Weight (Lbs/Ft)	Standard Length (Ft)
2	2.36	0.43	2.0	12	12.0	0.40	50
2-1/2	3.00	0.58	3.0	12	9.0	0.44	50
3	3.37	0.60	3.0	12	8.0	0.55	50
4	4.39	0.65	4.0	9	6.0	0.73	50
5	5.43	0.88	5.0	7	5.0	0.84	50
6	6.36	0.87	6.0	6	4.0	1.04	50
7	7.32	0.89	7.0	5	4.0	1.17	50
8	8.35	0.92	8.0	4	4.0	1.38	50
10	10.45	1.02	10.0	3	4.0	2.40	50
12	12.40	1.20	12.0	3	4.0	2.50	25

flexDUCT™ 625 (625 WD WS)

General ducting and blower hose



A versatile solution with a wear strip for light dragging. Combining abrasion resistance with flexibility, it's ideal for lightweight abrasives like sawdust, grass clippings, street refuse, and cotton pickers. Constructed with EPDM rubber, a metal wire helix, a smooth bore, and a slightly corrugated outer diameter.



FEATURES

Abrasion resistant yet very flexible. 100% rubber sidewall (no fabric). Also, comes with an outer metal wear strip for light dragging. External helix provides easy drag. The smooth bore allows for precise flow because no irregularities in the wall can cause interruptions.

APPLICATIONS

For use with lightweight abrasives such as sawdust, grass clippings, street refuse and cotton pickers.

CONSTRUCTION

EPDM rubber, metal wire helix, metal wear strip, smooth bore, slightly corrugated O.D.

TEMP. RANGE

-40°F to 220°F

AVAILABLE SIZES

ID (inches)	OD (inches)	Pitch (inches)	Minimum Bend Radius (72°F, inches)	Working Pressure (72°F, PSI)	Vacuum Rating (72°F, In Hg)	Weight (Lbs/Ft)	Standard Length (Ft)
2-1/2	3.11	0.58	3.0	12	9.0	0.48	50
3	3.48	0.60	3.0	12	8.0	0.61	50
4	4.57	0.65	4.0	9	6.0	0.85	50
5	5.61	0.88	5.0	7	5.0	0.90	50
6	6.54	0.87	6.0	6	4.0	1.17	50
7	7.48	0.89	7.0	5	4.0	1.27	50
8	8.54	0.92	8.0	4	4.0	1.50	50
10	10.69	1.02	10.0	3	4.0	2.67	50
12	12.60	1.20	12.0	3	4.0	2.80	25

Notes

[illegible]



HEADQUARTERS

800 Woodlands Parkway
Vernon Hills, IL 60061
847.634.6100
FAX: 847.634.6249

PIPE PLANT

875 Woodlands Pkwy
Vernon Hills, IL 60061
847.276.2235

PLANT

750 West Manville
Compton, CA 90220
310.637.1616

WAREHOUSE

9819 Wallisville Road
Houston, TX 77013

www.kanaflex.com



LGG INDUSTRIAL

The applications presented in this document are described with the sole purpose of allowing the readers to make their own evaluations and decisions. Kanaflex makes no guarantees nor warranties of suitability for any application. It is the responsibility of the project's design engineer to ensure that all selected materials for the project are fit for the specific application. Kanaflex makes no warranty whatsoever, express, or implied, related to the applications, materials, coatings, or products discussed herein.

**HEADQUARTERS**

800 Woodlands Parkway
Vernon Hills, IL 60061
847.634.6100
FAX: 847.634.6249

PIPE PLANT

875 Woodlands Pkwy
Vernon Hills, IL 60061
847.276.2235

PLANT

750 West Manville
Compton, CA 90220
310.637.1616

WAREHOUSE

9819 Wallisville Road
Houston, TX 77013

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