

## Utigo Technology Limited

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**UTIGO  
TECHNOLOGY  
LIMITED**  
[www.utigoflex.com](http://www.utigoflex.com)

# Company Introduction

Utigo Technology Ltd. was established in July 2009. Since our establishment, we have been committed to designing and manufacturing various kinds of high-quality rubber & plastic hoses and fiber hoses which are widely used in the fields of industry, agriculture, food and medical treatment etc.

Our company is located in Shenzhen which is the frontier city of China's reform and opening up. Our factory covers an area of 3000 square meters, we now own 15 extrusion production lines, 2 heat-sealing production lines for the PVC fiber hose, 4 production lines for the silicone hose. Our monthly production capacity of rubber & plastic hose reaches 500 tons, the monthly production capacity of PVC fiber hose reaches 60,000 meters, and the monthly production capacity of silicone hose reaches 30,000 meters, in addition, our monthly production capacity of synthetic material hose reaches 50,000 meters.

In 1950, the Swiss invented the world's first piece of plastic hose which was made of LDPE. In the past 100 years, after continuous development, thousands of hoses have been developed all over the world. As the application of hoses becomes more and more extensive, the hose types are becoming more and more diverse. The material delivery hoses are always an extremely critical moving part in modern industrial equipment. A high-quality hose is the core foundation for the smooth operation of a conveying equipment! According to the shape of the conveyed material, it can be divided into three categories: gas conveying, liquid conveying, and solid conveying.

Presently, according to the different characteristics of the conveying medium, the hose we produced can be divided into types of explosion-proof, high pressure resistance, high and low temperature resistance, acid and alkali corrosion resistance, abrasion resistance, oil resistance, hydrolysis resistance, UV and aging resistance etc. According to the varieties, our hoses can be divided into 6 categories: material conveying hose, high pressure hose, water suction hose, dust vacuum hose, ventilation hose, food and medical hose, a total of more than 120 varieties.

After more than ten years of development, UTIGOFLEX brand hoses have established a firm foothold in the global hose industry, and enjoyed great reputation among customers in Europe, America and the Middle East! Because we always adhere to the business tenet of "Quality is life", always produce each hose down-to-earth, and always maintain a highly responsible attitude towards the needs of our customers. We also sincerely solve every problem they encounter. Our company was passed by the ISO quality management system certification in May 2019.

Employees are the most important wealth of an enterprise. While pursuing the common development of customers, UTIGOFLEX pays more attention to progress together with our employees! We regard the growth of employees as a long-term project. After joining the company, UTIGOFLEX employee will receive a very complete set of job training and assessment to ensure that every employee can be skilled skills and responsible attitude to complete their job. Employees in any position here have enough appraisal and promotion opportunities.

As for the society, UTIGOFLEX, as a rubber & plastic production and processing enterprise, we know the important responsibility on our shoulders—adhere to the path of green and sustainable development, and will never add any burden to the socialist environmental protection course! In our production process, we adhere to the use of environmentally friendly and pollution-free high-quality rubber and plastic raw materials, and follow the environmental protection concept that the rubber and plastic waste generated by our company must not be discarded, and all can be recycled and reused by a third party.

Our development vision is to build UTIGOFLEX into a famous hose brand in the world through our unremitting hard working.

UTIGOFLEX—your flexible hose & ducting solutions supplier!

# Company



## Product Testing Report:



## Company Certification:





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## PVC Steel Wire Helix Duct

### Application:

Especially ideal for ventilation , industrial vacuum cleaner, and granulate conveying systems.

As suction and transport hose suitable for below substance:

- ◆ Gaseous medias such as vapors and smoke
- ◆ Liquid medias
- ◆ Small granules such as dusts, powders and etc.

### Features:

- ◆ Highly flexible with low weight
- ◆ Extremely compressible
- ◆ Could be static electricity conductive by grounding the steel wire
- ◆ Smooth interior
- ◆ Highly transparent wall
- ◆ Small bending radius
- ◆ Comply to RoHS
- ◆ Wall thickness varieties are available
- ◆ Different colors are available

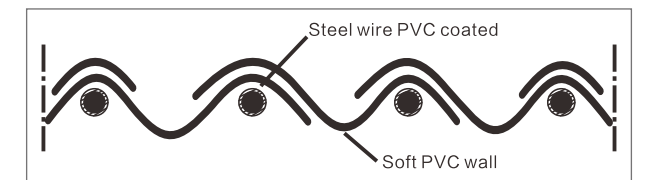
### Material:

Wall: Soft PVC

Spiral: Steel wire PVC coated

### Working temperature range:

-20°C to +70°C (Short time to 80°C)



ID (mm)	OD (mm)	0.4mm Wall Thickness			0.6mm Wall Thickness			Length per piece (m)
		Smallest Bending Radius (from outer edge, mm)	Work Pressure (bar)	Vacuum Pressure (bar)	Smallest Bending Radius (from outer edge, mm)	Work Pressure (bar)	Vacuum Pressure (bar)	
25	32	38	0.50	0.25	38	0.70	0.45	10
32	38	46	0.45	0.19	46	0.55	0.43	10
38	44	53	0.40	0.18	53	0.50	0.40	10
40	46	55	0.40	0.17	55	0.50	0.40	10
51	56	67	0.35	0.15	67	0.45	0.30	10
60	65	78	0.35	0.14	78	0.45	0.30	10
63	70	84	0.30	0.13	84	0.40	0.30	10
76	84	89	0.30	0.12	89	0.40	0.25	10
80	88	105	0.25	0.10	105	0.30	0.25	10
90	98	118	0.23	0.09	118	0.30	0.20	10
102	110	165	0.20	0.08	165	0.30	0.20	10
127	135	202	0.15	0.06	202	0.25	0.15	10
140	148	222	0.10	0.06	222	0.20	0.13	10
152	160	240	0.08	0.05	240	0.10	0.10	10
159	167	250	0.07	0.05	250	0.10	0.09	10
178	186	279	0.06	0.04	279	0.08	0.08	10
203	211	316	0.05	0.03	316	0.06	0.08	10
254	263	394	0.04	0.03	394	0.05	0.07	10
305	315	472	0.03	0.02	472	0.04	0.06	10
406	418	627	0.03	0.01	627	0.03	0.02	10

## Polyurethane Duct – 0.4/0.6/0.8/1.0/1.2/1.5mm Wall Thickness Available

### Application:

Ideally as suction and transport hose for abrasive solids such as dust, powders, wood chips, granulates, oil and fuel etc.  
Also very suitable for ventilation system and industrial vacuum cleaner.

### Features:

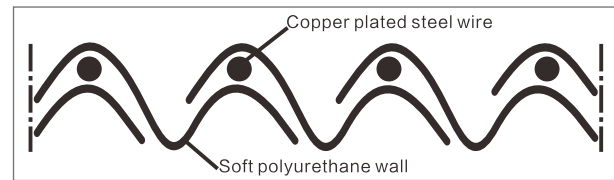
- ◆ Very nice looking with transparent wall and copper plated steel wire
- ◆ Extremely abrasion-resistant
- ◆ High tensile and burst strength and tearing resistant
- ◆ Could be static electricity conductive by grounding the steel wire
- ◆ Resistant to oil and fuel
- ◆ Extremely flexible and compressible
- ◆ Small bending radius
- ◆ Free of plasticizer
- ◆ Free of halogen
- ◆ Various colors are available
- ◆ Different wall thickness are available
- ◆ Comply to RoHS
- ◆ Anti static version, food grade version and microbe-resistant version are available

### Material:

Wall: Top grade of ester base polyurethane  
Spiral: Copper plated steel wire

### Working temperature range:

-40°C to +90°C (Short time to 125°C)



ID (mm)	OD (mm)	0.4mm Wall Thickness			0.6mm Wall Thickness			Length per piece (m)
		Smallest Bending Radius (from outer edge, mm)	Work Pressure (bar)	Vacuum Pressure (bar)	Smallest Bending Radius (from outer edge, mm)	Work Pressure (bar)	Vacuum Pressure (bar)	
25	32	38	0.75	0.45	38	1.60	0.45	10
32	39	47	0.70	0.40	47	1.60	0.40	10
38	45	54	0.70	0.35	54	1.60	0.40	10
40	47	56	0.65	0.35	56	1.50	0.35	10
51	58	69	0.50	0.30	69	1.40	0.30	10
60	68	81	0.50	0.25	81	1.20	0.25	10
63	71	85	0.50	0.25	85	1.20	0.25	10
70	79	94	0.45	0.22	94	1.10	0.23	10
76	85	102	0.40	0.20	102	1.00	0.23	10
80	89	107	0.40	0.15	107	0.90	0.20	10
82	91	109	0.40	0.15	109	0.90	0.20	10
90	99	119	0.35	0.14	119	0.80	0.18	10
102	111	166	0.30	0.14	166	0.75	0.15	10
115	124	186	0.28	0.13	186	0.65	0.15	10
120	129	193	0.25	0.12	193	0.55	0.15	10
127	136	204	0.25	0.10	204	0.50	0.13	10
140	149	223	0.20	0.09	223	0.40	0.13	10
152	161	241	0.15	0.08	241	0.30	0.12	10
159	168	252	0.15	0.08	252	0.25	0.12	10
178	187	280	0.12	0.06	280	0.23	0.10	10
203	212	318	0.10	0.06	318	0.22	0.09	10
254	263	394	0.06	0.04	394	0.20	0.08	10
305	314	471	0.04	0.03	471	0.15	0.06	10

## Polyurethane Duct with Black Strip

### Application:

Ideally as suction and transport hose for abrasive solids such as dust, powders, wood chips, granulates, oil and fuel etc.  
Also very suitable for ventilation system and industrial vacuum cleaner  
Because of the reinforcement of the black strip, the duct is more wear-resistant and has a longer service life than ordinary PU duct.

### Features:

- ◆ Extremely abrasion-resistant
- ◆ High tensile and burst strength and tearing resistant
- ◆ Could be static electricity conductive by grounding the steel wire
- ◆ Resistant to oil and fuel
- ◆ Extremely flexible and compressible
- ◆ Small bending radius
- ◆ Free of plasticizer
- ◆ Free of halogen
- ◆ Various colors are available
- ◆ Different wall thickness are available
- ◆ Comply to RoHS

### Material:

Wall: Top grade of ester base Polyurethane with black strip  
Spiral: Copper plated steel wire

### Working temperature range:

-40°C to +90°C (Short time to 125°C)



ID (mm)	OD (mm)	Wall Thickness (mm)	Smallest Bending Radius (from outer edge of hose) (mm)	Recommended operating limits		Length per piece (m)
				Work Pressure (bar)	Vacuum Pressure (bar)	
25	32	0.6	38	1.60	0.45	10
32	39	0.6	47	1.60	0.40	10
38	45	0.6	54	1.60	0.40	10
40	47	0.6	56	1.50	0.35	10
51	58	0.6	69	1.40	0.30	10
60	68	0.6	81	1.20	0.25	10
63	71	0.6	85	1.20	0.25	10
70	79	0.6	94	1.10	0.23	10
76	85	0.6	102	1.00	0.23	10
80	89	0.6	107	0.90	0.20	10
82	91	0.6	109	0.90	0.20	10
90	99	0.6	119	0.80	0.18	10
102	111	0.6	166	0.75	0.15	10
115	124	0.6	186	0.65	0.15	10
120	129	0.6	193	0.55	0.15	10
127	136	0.6	204	0.50	0.13	10
140	149	0.6	223	0.40	0.13	10
152	161	0.6	241	0.30	0.12	10
159	168	0.6	252	0.25	0.12	10
178	187	0.6	280	0.23	0.10	10
203	212	0.6	318	0.22	0.09	10
254	263	0.6	394	0.20	0.08	10
305	314	0.6	471	0.15	0.06	10



**Thermoplastic Elastomer (TPE) Duct —Resistant to 135°C**

**Application:**

As suction and transport hose especially ideally for:

- ◆ High temperature industrial fumes, steam
- ◆ High temperature air or smoke in auto
- ◆ Other hot air in engine construction or drying machine
- ◆ Chemical air
- ◆ Cold air

**Features:**

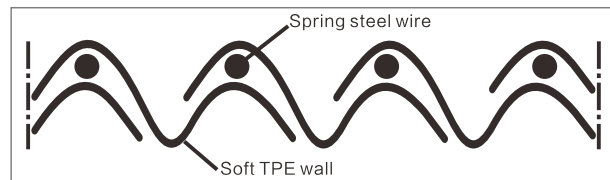
- ◆ Good performance on high temperature resistance up to 135 degree
- ◆ Good performance on low temperature lowest to 40 degree below zero;
- ◆ Good resistance to chemical substances
- ◆ Could be static electricity conductive by grounding the steel wire
- ◆ Good resistance to UV
- ◆ Small bending radius
- ◆ Highly flexible compressible
- ◆ High tensile strength
- ◆ Rubber finishing
- ◆ Comply to RoHS

**Material:**

Wall: Thermoplastic elastomer  
Spiral: Spring steel wire

**Working temperature range:**

-40°C to +135°C (Short time to 150°C)



ID(mm)	OD(mm)	Wall Thickness (mm)	Smallest Bending Radius (from outer edge of hose) (mm)	Recommended operating limits		Length per piece (m)
				Work Pressure(bar)	Vacuum Pressure(bar)	
25	32	0.6	38	0.55	0.35	10
32	39	0.6	46	0.50	0.32	10
38	45	0.6	54	0.45	0.30	10
40	47	0.6	56	0.45	0.30	10
51	58	0.6	70	0.43	0.20	10
60	68	0.6	82	0.40	0.15	10
63	72	0.6	86	0.40	0.15	10
70	79	0.6	95	0.35	0.12	10
76	85	0.6	102	0.32	0.10	10
82	91	0.6	109	0.30	0.10	10
89	99	0.6	119	0.25	0.08	10
102	111	0.6	166	0.23	0.06	10
115	124	0.6	186	0.20	0.05	10
127	136	0.6	204	0.18	0.04	10
140	149	0.6	223	0.16	0.04	10
152	161	0.6	242	0.15	0.04	10
159	168	0.6	252	0.13	0.03	10
178	188	0.6	282	0.12	0.03	10
203	212	0.6	318	0.10	0.02	10
254	263	0.6	395	0.08	0.02	10
305	314	0.6	471	0.06	0.01	10
406	415	0.6	622	0.04	0.01	10

**TPR Hose With Green Strip—Resistant To 135°C**

**Application:**

As suction and transport hose especially ideally for:

- ◆ Suction of hot air and fumes in chemical plants and shipyards
- ◆ High temperature air or smoke in auto
- ◆ Other hot air in engine construction or drying machine
- ◆ Chemical air
- ◆ Cold air
- ◆ As the outer part of the steel wire is protected by the green strips, it makes the hose more wear-resistant and more durable than the ordinary TPR hose service life is obviously increased.

**Features:**

- ◆ Made in thermoplastic rubber with a steel spiral reinforcement embedded between the two layers.
- ◆ The green strips on the wall make the hose more abrasion resistant
- ◆ Light and flexible
- ◆ Extremely resistant to high temperature, chemicals
- ◆ Could be static electricity conductive by grounding the steel wire
- ◆ Good resistance to UV
- ◆ High tensile strength
- ◆ Rubber finishing
- ◆ Comply to RoHS

**Material:**

Wall: Thermoplastic elastomer with green strip  
Spiral: Steel wire

**Working temperature range:**

-40°C to +135°C



ID(mm)	Min. wall thick. (mm)	Bending Radius (mm)	Vacuum Pressure (bar)	Weight(g/m)	Length per piece (m)
38	0.5	30	0.20	210	10
40	0.5	32	0.20	235	10
45	0.5	36	0.20	250	10
51	0.5	40	0.20	280	10
55	0.5	50	0.17	290	10
60	0.5	50	0.17	310	10
63	0.6	55	0.17	325	10
65	0.6	56	0.17	340	10
70	0.6	60	0.17	450	10
76	0.6	65	0.17	500	10
80	0.6	65	0.16	520	10
90	0.6	75	0.16	590	10
102	0.6	85	0.13	760	10
110	0.6	90	0.12	780	10
120	0.6	100	0.10	800	10
127	0.6	105	0.10	810	10
130	0.6	105	0.08	880	10
140	0.6	115	0.08	960	10
152	0.6	125	0.07	1150	10
160	0.6	130	0.05	1230	10
180	0.6	150	0.04	1400	10
203	0.6	165	0.04	1600	10
228	0.65	185	0.04	1700	10
254	0.65	210	0.04	2100	10
265	0.65	220	0.04	2250	10
279	0.65	230	0.04	2400	10
305	0.65	250	0.03	2500	10
356	0.65	300	0.03	2900	10
406	0.65	350	0.03	3400	10

## Silicone Coated Glass Fiber Duct —Resistant to 260°C

### Application:

Suction hose, especially suitable:

- ◆ For transmission hot air, chemical fumes and industrial fumes
- ◆ For printing machines, blowers
- ◆ For exhausting gas, engine construction, engine warming, aircraft construction and military construction

### Features:

- ◆ Double-layer of silicone coated glass fiber fabric
- ◆ Extremely good heat resistance
- ◆ Leak-proof
- ◆ Smooth interior
- ◆ Highly flexible
- ◆ Small bending radius
- ◆ Kink-proof

### Material:

Wall: Silicone coated glass fiber fabric

Spiral: Spring steel wire

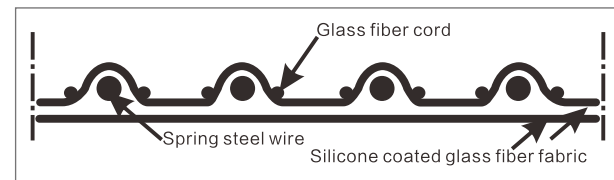
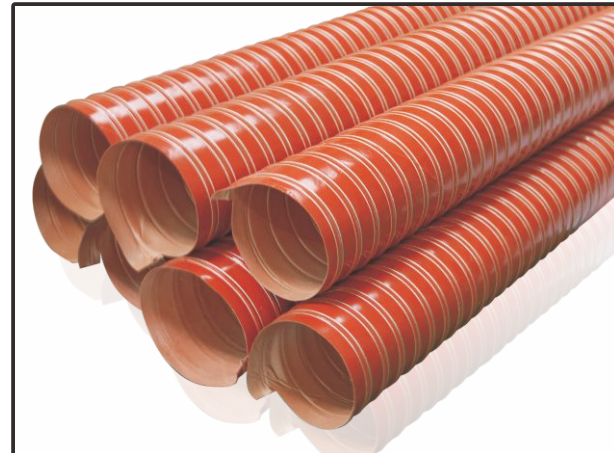
Reinforcement: Glass fiber cord

Delivery Variants: Wireless sleeves

### Working temperature range:

-70°C to +260°C

Short time to +280°C



ID (mm)	OD (mm)	Wall Thickness (mm)	Smallest Bending Radius (from outer edge of hose) (mm)	Recommended operating limits		Length per piece (m)
				Work Pressure (bar)	Vacuum Pressure (bar)	
25	29	0.4	43	2.7	0.70	4
32	36	0.4	54	2.7	0.64	4
38	43	0.4	64	2.6	0.60	4
51	56	0.4	84	2.5	0.51	4
63	68	0.4	102	2.3	0.46	4
76	81	0.4	121	2.1	0.42	4
83	88	0.4	132	2.0	0.40	4
89	94	0.4	141	2.0	0.38	4
102	107	0.4	160	1.9	0.35	4
114	120	0.4	180	1.6	0.29	4
127	133	0.4	199	1.5	0.26	4
152	158	0.4	237	1.3	0.18	4
165	172	0.4	258	1.2	0.15	4
178	184	0.4	276	1.0	0.13	4
203	209	0.4	313	0.8	0.10	4
254	260	0.4	390	0.6	0.08	4
305	311	0.4	466	0.5	0.07	4

## Ventilation Duct—Resistant to 80°C

### Application:

As ventilation duct ideal for:

- ◆ Widely used in these working environment such as airport, tunnel, basement, waste gas exhaust out
- ◆ Air conditioning and ventilation of fumes, light duty dust extraction, and air movement
- ◆ As a flexible connection between grilles diffusers, fans and other air movement units

### Features:

- ◆ Highly flexible
- ◆ Flame retardant
- ◆ Could be compressible and easy to carry
- ◆ Oil, Acid & Alkali Resistant
- ◆ Very small bending radius
- ◆ Kink proof
- ◆ Polyester fabric coated with PVC is leakage resistant
- ◆ Steel wire spiral is abrasion resistant with strip cover
- ◆ Various colors are available
- ◆ Anti static version is available

### Material:

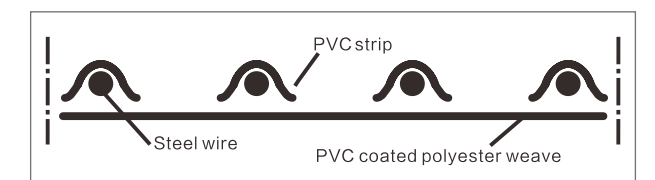
Wall: High density polyester weave coated PVC on both sides

Spiral: Reinforced steel wire

Exterior spiral cover: PVC strip

### Working temperature range:

-20°C to +80°C



ID (mm)	Wall Thickness (mm)	Smallest Bending Radius (from outer edge of hose) (mm)	Pitch (mm)	Recommended operating limits		Length per piece (m)
				Work Pressure (bar)	Vacuum Pressure (bar)	
100	0.35	153	8	0.60	0.080	20
125	0.35	190	8	0.55	0.060	20
150	0.35	228	11	0.53	0.050	20
159	0.35	238	11	0.50	0.046	20
178	0.35	267	12	0.45	0.043	20
200	0.35	304	13	0.40	0.040	20
250	0.35	381	14	0.35	0.035	20
300	0.35	457	15	0.30	0.030	20
350	0.35	534	15	0.26	0.026	20
400	0.35	609	16	0.22	0.023	20
450	0.35	685	16	0.20	0.020	20
500	0.35	762	17	0.18	0.020	20
600	0.35	915	18	0.16	0.016	20
700	0.35	1066	19	0.15	0.015	20
800	0.35	1218	20	0.13	0.010	20
1100	0.35	1677	22	0.10	0.008	20
1200	0.35	2050	24	0.08	0.005	20



## Tarpaulin Duct —Resistant to 100°C

### Application:

As suction and transport hose ideal for:

- ◆ Air conditioning and ventilation of fumes, light duty dust extraction, and air movement
- ◆ As a flexible connection between grilles diffusers, fans and other air movement units
- ◆ Suction of engine exhaust gas
- ◆ Exhaust gas technique, engine construction, engine warming, aircraft construction and military construction
- ◆ For flue gas extraction, blast furnace exhaust and engine test bench

### Features:

- ◆ Flame retardant
- ◆ Vibration resistant
- ◆ Tearing resistant
- ◆ High tensile strength
- ◆ Minimum weight
- ◆ Highly flexible and compressible up to 10:1
- ◆ Very small bending radius

### Material:

Wall: PVC coated polyester fabric  
Spiral: Steel wire helix

### Working temperature range:

-20°C to +100°C



## Clamped Polyester Fabric Duct —Resistant to 100°C

### Application:

Clamped polyester fabric duct especially suitable:

- ◆ For extraction of high temperature air and cold air
- ◆ For solids such as dust, powder and fibers
- ◆ For gaseous media like vapors and smoke
- ◆ In dryer, automotive, aerospace, shipbuilding, military
- ◆ As bellows and compensator

### Features:

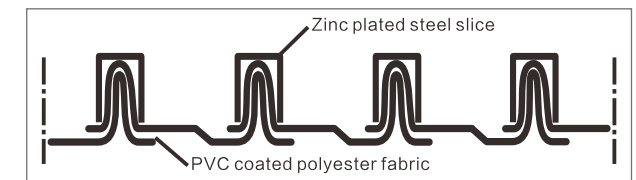
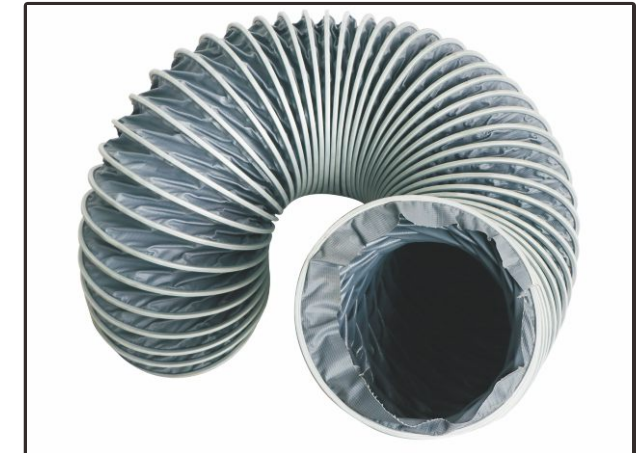
- ◆ Good resistance to high temperature
- ◆ Good resistance to chemical substance
- ◆ Highly flexible and compressible
- ◆ External steel spiral protects against abrasion
- ◆ Firm clamping structure
- ◆ Small bending radius
- ◆ Kink-proof
- ◆ Light weight
- ◆ Flame-retardant

### Material:

Wall: PVC coated polyester fabric  
Clamp profile: Zinc plated steel slice

### Working temperature range:

-20°C to +100°C



ID(mm)	OD(mm)	Wall Thickness (mm)	Pitch(mm)	Helix Dia.(mm)	Smallest Bending Radius (from outer edge of hose) (mm)	Recommended operating limits		Length per piece (m)
						Work Pressure(bar)	Vacuum Pressure(bar)	
51	54	0.3	25	1.0	54	0.240	0.145	10
63	66	0.3	25	1.0	66	0.195	0.115	10
76	79	0.3	30	1.0	79	0.160	0.080	10
80	83	0.3	30	1.2	83	0.150	0.070	10
89	93	0.3	30	1.2	93	0.140	0.060	10
102	105	0.3	35	1.2	105	0.120	0.050	10
115	118	0.3	35	1.2	118	0.110	0.045	10
127	130	0.3	35	1.2	130	0.100	0.035	10
140	143	0.3	35	1.2	143	0.090	0.035	10
152	155	0.3	35	1.2	158	0.080	0.035	10
159	163	0.3	35	1.5	166	0.075	0.025	10
178	183	0.3	35	1.5	186	0.070	0.020	10
203	206	0.3	35	1.5	209	0.060	0.020	10
254	258	0.3	44	1.5	261	0.050	0.010	10
305	309	0.3	51	1.5	312	0.040	0.005	10
356	360	0.3	51	1.5	363	0.035	0.005	10
406	410	0.3	51	1.5	413	0.030	0.005	10

ID(mm)	Wall Thickness (mm)	Smallest Bending Radius (from outer edge of hose) (mm)	Recommended operating limits		Length per piece (m)
			Work Pressure(bar)	Vacuum Pressure(bar)	
51	0.32	76	0.85	0.350	10
63	0.32	94	0.68	0.290	10
76	0.32	114	0.60	0.250	10
82	0.32	123	0.55	0.200	10
102	0.32	153	0.50	0.150	10
127	0.32	190	0.40	0.100	10
152	0.32	228	0.30	0.060	10
159	0.32	238	0.25	0.050	10
178	0.32	267	0.20	0.040	10
203	0.32	304	0.15	0.030	10
228	0.32	342	0.12	0.025	10
254	0.32	381	0.10	0.020	10
279	0.32	418	0.08	0.018	10
305	0.32	457	0.07	0.012	10
356	0.32	534	0.06	0.010	10
381	0.32	571	0.05	0.010	10
406	0.32	609	0.05	0.010	10
457	0.32	685	0.04	0.010	10
482	0.32	723	0.04	0.010	10
508	0.32	762	0.04	0.010	10
533	0.32	799	0.03	0.008	10
558	0.32	837	0.03	0.006	10
584	0.32	876	0.03	0.006	10
610	0.32	915	0.02	0.005	10

## Clamped High Temperature Duct — Resistant to 400°C

### Application:

- ◆ Clamped high temperature resistant duct, especially suitable:
  - ◆ For suction of high temperature air in engine exhaust in industry
  - ◆ For high temperature gaseous media like vapors and smoke
  - ◆ In dryer, automotive, aerospace, shipbuilding, military
  - ◆ As bellows and compensator

### Features:

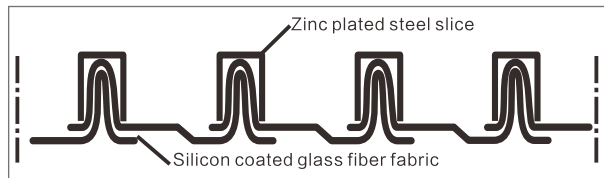
- ◆ Very good resistance to high temperature up to 400°C
- ◆ Highly flexible and compressible
- ◆ External galvanized steel helix protects against crushing
- ◆ Firm clamping structure
- ◆ Good performance on working pressure
- ◆ Good resistance to chemical substance
- ◆ Small bending radius
- ◆ Flame-retardant
- ◆ Kink-proof
- ◆ Light weight

### Material:

Wall: Silicon coated glass fiber fabric  
Clamped profile: Zinc plated steel slice

### Working temperature range:

-60°C to +400°C



ID(mm)	Wall Thickness (mm)	Smallest Bending Radius (from outer edge of hose) (mm)	Recommended operating limits		Length per piece (m)
			Work Pressure(bar)	Vacuum Pressure(bar)	
51	0.32	76	0.850	0.350	10
63	0.32	94	0.680	0.290	10
76	0.32	114	0.470	0.260	10
82	0.32	123	0.430	0.150	10
102	0.32	153	0.300	0.100	10
114	0.32	171	0.250	0.080	10
127	0.32	190	0.210	0.070	10
152	0.32	228	0.157	0.050	10
159	0.32	238	0.140	0.040	10
178	0.32	267	0.117	0.030	10
203	0.32	304	0.099	0.025	10
228	0.32	342	0.084	0.022	10
254	0.32	381	0.065	0.015	10
279	0.32	418	0.060	0.012	10
305	0.32	457	0.055	0.010	10
329	0.32	493	0.046	0.008	10
356	0.32	534	0.040	0.007	10
381	0.32	571	0.036	0.007	10
406	0.32	609	0.033	0.006	10
457	0.32	685	0.028	0.005	10
482	0.32	723	0.025	0.005	10
508	0.32	762	0.023	0.004	10
533	0.32	799	0.020	0.003	10
558	0.32	837	0.017	0.002	10
584	0.32	876	0.014	0.001	10
610	0.32	915	0.010	0.001	10

## Fume Exhaust Hose — Resistant to 150°C

### Application:

- ◆ As special fume exhaust hose, especially suitable:
  - ◆ For suction of engine exhaust fume
  - ◆ For high temperature air, smoke or fume transmission
  - ◆ For suction and extraction air, dusts above and below floor
  - ◆ For transmission of small solids, granulates, oil, fuel etc.

### Features:

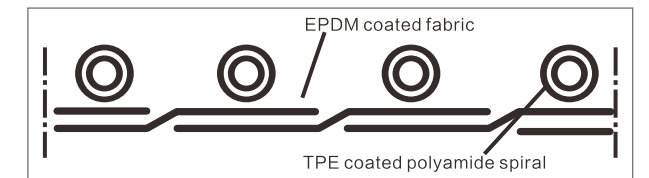
- ◆ Crush-proof
- ◆ Vibration resistant
- ◆ Good resistance to chemicals
- ◆ Flexible and compressible
- ◆ Smooth interior
- ◆ Reinforced fabric
- ◆ Gas and liquid tight
- ◆ Small bending radius

### Material:

Wall: EPDM coated fabric  
Spiral: TPE coated polyamide

### Working temperature range:

-40°C to +150°C



ID(mm)	OD(mm)	Smallest Bending Radius (from outer edge of hose) (mm)	Vacuum Pressure(bar)	Length per piece(m)
51	68	88	0.50	10
63	80	104	0.40	10
76	93	121	0.30	10
89	106	159	0.15	10
102	119	178	0.10	10
114	131	196	0.08	10
127	144	216	0.06	10
152	169	254	0.05	10
203	220	330	0.04	6



**PVC Corrugated Suction Hose**

**Application:**

- As suction and transport hose especially suitable for below substance:
- ◆ Gaseous and liquid media
  - ◆ Abrasive solids such as dusts, powders, chips and grains
  - ◆ Also ideal as ventilation hose for air conditioning and ventilation system

**Features:**

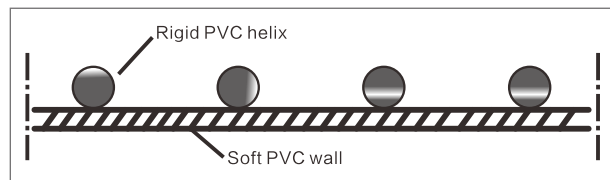
- ◆ Extremely tearing-resistant with rigid reinforced PVC helix
- ◆ Very smooth interior
- ◆ Flexible with low weight
- ◆ Extremely transparent
- ◆ High tensile strength
- ◆ Could be resistant to chemicals if requested
- ◆ Could be resistant to UV if requested.
- ◆ Various sizes are available
- ◆ Comply to RoHS

**Material:**

Wall: Top grade of soft PVC  
 Spiral: Rigid PVC

**Working temperature range:**

-20°C to +70°C (Short time to 80°C)



ID (mm)	Wall Thickness (mm)	Smallest Bending Radius (from outer edge of hose) (mm)	Recommended operating limits		Length per piece (m)
			Work Pressure (bar)	Vacuum Pressure (bar)	
25	0.8	35	1.6	0.50	20
32	0.8	50	1.5	0.45	20
38	0.8	55	1.3	0.40	20
51	0.8	110	1.2	0.35	20
63	0.8	163	1.2	0.30	20
76	0.8	190	1.1	0.30	20
89	0.8	220	1.0	0.25	20
102	0.8	240	1.0	0.25	20
127	0.8	400	0.8	0.20	20
152	0.8	450	0.6	0.15	20
178	0.8	500	0.5	0.15	20
203	0.8	550	0.4	0.10	20

**Polyurethane Suction Hose —Light Duty**

**Application:**

- As suction and transport hose especially suitable for below substance:
- ◆ Gaseous and liquid media
  - ◆ Abrasive solids such as dusts, powders, chips and grains
  - ◆ Also ideal as ventilation hose for air conditioning and ventilation system

**Features:**

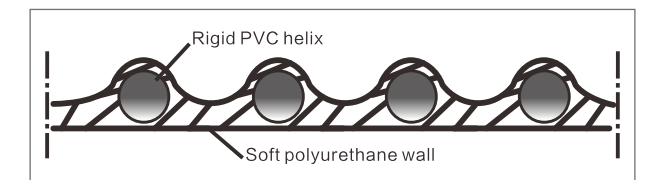
- ◆ Extremely tearing-resistant with rigid reinforced PVC helix
- ◆ Very abrasive
- ◆ Very smooth interior
- ◆ Very Flexible with low weight
- ◆ Extremely transparent
- ◆ Could be resistant to UV if requested
- ◆ Various sizes are available
- ◆ Comply to RoHS

**Material:**

Wall: Top grade of polyurethane  
 Spiral: Rigid PVC

**Working temperature range:**

-40°C to 90°C (Short time to 125°C)



ID (mm)	Wall Thickness (mm)	Smallest Bending Radius (from outer edge of hose) (mm)	Recommended operating limits		Length per piece (m)
			Work Pressure (bar)	Vacuum Pressure (bar)	
25	0.8	40	3.0	0.90	20
32	0.8	70	2.5	0.80	20
38	0.8	80	2.0	0.60	20
51	0.8	100	1.8	0.55	20
63	0.8	130	1.5	0.50	20
76	0.8	160	1.5	0.45	20
89	0.8	210	1.3	0.40	20
102	0.8	250	1.2	0.35	20
127	0.8	320	1.0	0.30	20
152	0.8	400	0.8	0.25	20
178	0.8	480	0.6	0.20	20
203	0.8	560	0.5	0.15	20

**Polyurethane Anti Static Suction Hose —Light Duty**

**Application:**

As antistatic suction and transport hose ideally for below substance:

- ◆ Explosive powders, granulates, dust, mineral sands
- ◆ Gas, oil and chemical liquids
- ◆ Abrasive solids such as dusts, powders, chips and grains
- ◆ Also suitable for industrial vacuum cleaners, and granulate conveying systems

**Features:**

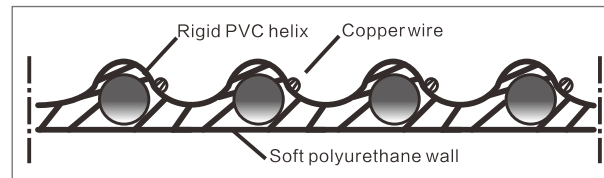
- ◆ Anti-static by grounding the copper wire
- ◆ High tensile strength
- ◆ Tearing resistant with rigid PVC helix
- ◆ Very transparent wall
- ◆ Extremely smooth interior
- ◆ Comply to RoHS

**Material:**

Wall: Top grade of polyurethane  
 Spiral: Rigid PVC and copper wire

**Working temperature range:**

-40°C to 90°C (Short time to 125°C )



ID(mm)	OD(mm)	Wall Thickness (mm)	Smallest Bending Radius (from outer edge of hose) (mm)	Recommended operating limits		Length per piece (m)
				Work Pressure(bar)	Vacuum Pressure(bar)	
25	32	0.8	60	2.2	0.50	20
32	37	0.8	80	2.0	0.40	20
38	45	0.8	100	1.8	0.35	20
51	59	0.8	128	1.6	0.30	20
63	72	0.8	158	1.5	0.25	20
76	87	0.8	188	1.3	0.22	20
89	100	0.8	230	1.2	0.20	20
102	112	0.8	300	1.0	0.18	20
127	138	0.8	400	0.8	0.15	20
152	164	0.8	500	0.6	0.12	20
178	190	0.8	600	0.5	0.12	20
203	215	0.8	700	0.3	0.10	20

**PVC Grit Hose —Heavy Duty**

**Applications:**

As suction and discharge hose very ideally for abrasive mineral sands, gravel, cement, powders, chips, shavings;

**Features:**

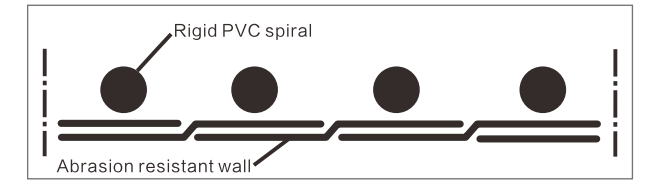
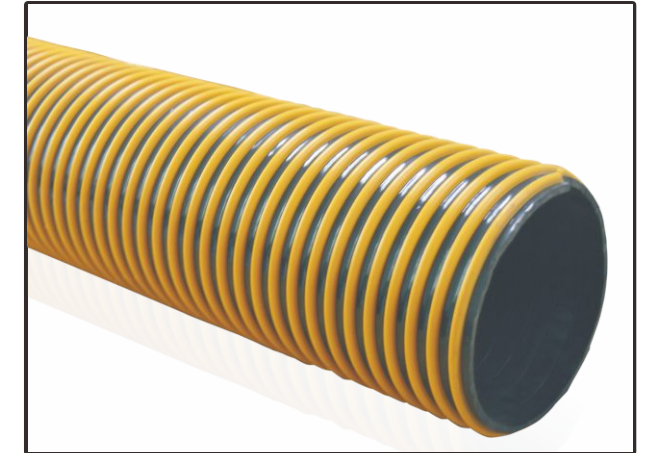
- ◆ Extremely abrasive resistant
- ◆ Extremely anti crush
- ◆ Inside surface perfectly smooth, outside corrugated
- ◆ Could be manufactured anti-static upon request
- ◆ High tensile strength and tear resistant
- ◆ Good resistance to oil and fuel
- ◆ Good resistance to UV and ozone
- ◆ Could be resistant to chemicals
- ◆ Comply to RoHS

**Material:**

Wall: Special abrasion resistant materials  
 Spiral: Rigid PVC spiral

**Working temperature range:**

-20°C to +70°C (Short time to 80°C)



ID(mm)	OD(mm)	Wall Thickness (mm)	Smallest Bending Radius (from outer edge of hose) (mm)	Recommended operating limits		Length per piece (m)
				Work Pressure(bar)	Bursting Pressure(bar)	
38	52	2.7	104	7.0	21.0	20
51	63	2.7	160	6.0	19.0	20
63	76	3.0	180	5.5	17.5	20
76	90	4.0	210	5.5	17.5	20
102	117	5.0	270	5.0	16.0	20
127	145	5.5	350	5.0	16.0	20
152	170	5.5	420	4.5	14.0	20
178	198	5.5	450	4.3	13.5	20
203	225	6.0	480	4.0	13.0	20



## Smooth Surface PVC Spiral Hose

### Application:

This product is suitable for conveying system in the industry, agriculture, irrigation and civil engineering such as:

- ◆ Suction and conveyance of powder and granule etc.
- ◆ For transportation of chemicals
- ◆ Water and oil supplying system for plants and equipments
- ◆ Also suitable for food industry and health care industry

### Features:

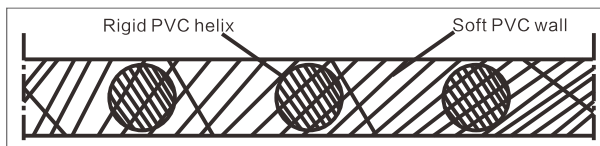
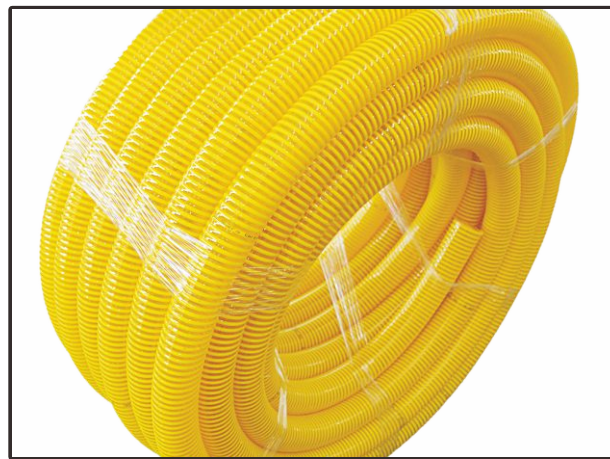
- ◆ Very smooth inner wall and outer surface
- ◆ Reinforced with PVC helix
- ◆ Non-toxic and non-smell
- ◆ Good resistance to crushing, abrasion and most chemicals
- ◆ Superior resistance against inside and outside pressure
- ◆ Excellent corrosion-proof protection for cable conduit and piping
- ◆ Different colors are available
- ◆ Food grade available (FDA&REACH certification), please refer to page 39.

### Material:

Wall: soft pvc  
Helix: pvc

### Working temperature range:

-20°C to +70°C



	ID(mm)	OD(mm)	Wall Thickness (mm)	Working Pressure (bar)	Vacuum mmHg(20°C)	Bending Radius (mm)	Length (m)	Dimension D * H(cm)	Volume m <sup>3</sup> /roll
Standard Duty	19.0 ± 0.5	23.0 ± 0.5	2.0	5.0	750	70	50	60x20	0.072
	25.4 ± 0.5	29.4 ± 0.5	2.0	5.0	750	70	50	60x25	0.090
	31.7 ± 0.5	35.7 ± 0.5	2.0	5.0	750	90	50	70x30	0.147
	38.1 ± 0.5	44.1 ± 0.5	3.0	5.0	750	110	50	80x30	0.192
	50.8 ± 1.0	57.8 ± 1.0	3.5	5.0	750	150	50	100x25	0.250
	63.5 ± 1.0	70.5 ± 1.0	3.5	4.0	750	180	50	115x35	0.463
	76.2 ± 1.0	84.2 ± 1.0	4.0	4.0	750	220	50	135x40	0.730
	101.6 ± 1.5	111.6 ± 1.5	5.0	4.0	750	330	50	200x35	1.400
	127.0 ± 1.5	139.0 ± 1.5	6.0	3.0	750	500	50	230x42	2.220
	152.4 ± 1.5	166.4 ± 1.5	7.0	3.0	750	700	30	230x35	1.850
	203.2 ± 1.5	219.2 ± 1.5	8.0	2.5	750	1100	12	1200x230	0.640
	254.0 ± 1.5	274.0 ± 1.5	10.0	2.5	750	1400	12	1200x280	0.941
304.8 ± 1.5	324.8 ± 1.5	10.0	2.5	750	1800	12	1200x330	1.310	
355.6 ± 1.5	375.6 ± 1.5	10.0	2.5	750	2200	12	1200x383	1.761	
Heavy Duty	19.0 ± 0.5	25.0 ± 0.5	3.0	5.0	750	70	50	60x20	0.072
	25.4 ± 0.5	31.4 ± 0.5	3.0	5.0	750	70	50	60x25	0.090
	31.7 ± 0.5	37.7 ± 0.5	3.0	5.0	750	90	50	70x30	0.147
	38.1 ± 0.5	45.1 ± 0.5	3.5	5.0	750	110	50	80x30	0.192
	50.8 ± 1.0	58.8 ± 1.0	4.0	5.0	750	150	50	100x25	0.250
	63.5 ± 1.0	72.5 ± 1.0	4.5	4.0	750	180	50	115x35	0.463
	76.2 ± 1.0	86.2 ± 1.0	5.0	4.0	750	220	50	135x40	0.730
	101.6 ± 1.5	103.6 ± 1.5	6.0	4.0	750	330	50	200x35	1.400
	127.0 ± 1.5	141.0 ± 1.5	7.0	3.0	750	500	50	230x42	2.220
	152.4 ± 1.5	168.4 ± 1.5	8.0	3.0	750	700	30	230x35	1.850
	203.2 ± 1.5	225.2 ± 1.5	11.0	2.5	750	1100	12	1200x230	0.640
	254.0 ± 1.5	278.0 ± 1.5	12.0	2.5	750	1400	12	1200x280	0.941
304.8 ± 1.5	328.8 ± 1.5	12.0	2.5	750	1800	12	1200x330	1.310	
355.6 ± 1.5	379.6 ± 1.5	12.0	2.5	750	2200	12	1200x383	1.761	
Light Duty	19.0 ± 0.5	23.0 ± 0.5	2.0	4.0	750	70	50	60x20	0.072
	25.4 ± 0.5	29.4 ± 0.5	2.0	4.0	750	70	50	60x25	0.090
	31.7 ± 0.5	35.7 ± 0.5	2.0	4.0	750	90	50	70x28	0.137
	38.1 ± 0.5	44.1 ± 0.5	3.0	4.0	750	110	50	80x30	0.192
	50.8 ± 1.0	56.8 ± 1.0	3.0	4.0	750	150	50	100x24	0.240
	63.5 ± 1.0	69.5 ± 1.0	3.0	3.0	750	180	50	115x33	0.436
	76.2 ± 1.0	83.2 ± 1.0	3.5	3.0	750	220	50	135x38	0.693
101.6 ± 1.5	109.6 ± 1.5	4.0	3.0	750	330	50	200x34	1.360	

## Smooth Surface PVC Steel Wire Hose

### Application:

This product is suitable for drawing and conveying system in the industry, agriculture, irrigation and civil engineering such as:

- Suction and conveyance of powder and granulate etc.
- For transportation of chemicals
- Water and oil supplying system for plants and equipment

### Features:

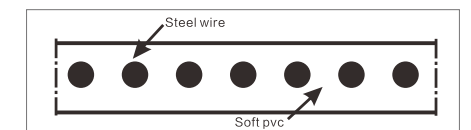
- ◆ Very smooth inner wall and outer surface
- ◆ Reinforced with steel wire helix
- ◆ Good resistance to crushing, abrasion and most chemicals
- ◆ Superior resistance against inside and outside pressure
- ◆ Non-toxic and non-smell
- ◆ Anti-UV
- ◆ Food grade available (FDA&REACH certification), please refer to page 40.

### Material:

Wall: pvc  
Helix: steel wire

### Working temperature range:

-20°C to +70°C.



ID(mm)	OD(mm)	Working Pressure		Bursting Pressure		Length (m/roll)	Weight kg/roll	Volume m <sup>3</sup>
		bar	psi	bar	psi			
6	11	11	160	33	479	100	10.00	0.028
8	14	11	160	33	479	100	15.50	0.039
9	14	10	145	30	435	100	13.50	0.027
10	15	10	145	30	435	100	14.70	0.041
9	15	11	160	33	479	100	17.00	0.029
10	16	11	160	33	479	100	18.40	0.045
12	17	9	131	30	435	100	17.10	0.044
12	18	10	145	30	435	100	21.20	0.049
15	22	10	145	30	435	100	30.50	0.074
15	21	9	131	30	435	100	25.40	0.074
16	20	8	116	20	290	100	17.00	0.061
16	23	9	131	30	435	100	32.10	0.063
19	26	10	145	30	435	50	18.55	0.052
19	25.5	8	116	20	290	50	17.05	0.050
20	26	8	116	20	290	50	16.25	0.050
20	24.5	8	116	20	290	50	11.80	0.050
22	30	8	116	20	290	50	24.50	0.065
22	27	8	116	20	290	50	14.40	0.058
25	33	10	145	25	363	50	27.30	0.085
25	29	7	102	20	290	50	12.70	0.065
25	30	7	102	20	290	50	16.20	0.069
25	32	7	102	20	290	50	23.50	0.078
32	41	7	102	20	290	40	30.96	0.106
32	36	5	73	19	276	50	16.00	0.124
32	38.6	5	73	19	276	50	27.45	0.133
32	41	6	87	20	290	50	38.70	0.152
32	41.6	6	87	20	290	50	44.10	0.130

## PVC Fiber Reinforced Hose

### Application:

This product is suitable for supplying water & draining for equipment, also used for usual pressure environment.

### Features:

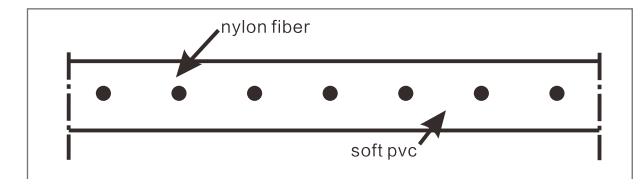
- ◆ Very smooth inner wall and outer surface
- ◆ Reinforced with polyester fiber
- ◆ Good resistance to crushing, abrasion and most chemicals
- ◆ Superior resistance against inside and outside pressure
- ◆ Passed the ROHS test
- ◆ Anti-UV
- ◆ Food grade available( FDA&REACH certification), please refer to page 42.

### Material:

Wall: soft pvc  
Helix: nylon fiber

### Working temperature range:

-20°C to +70°C



ID(mm)	OD(mm)	Working Pressure		Bursting Pressure		Length (m/roll)	Weight kg/roll	Volume m³
		bar	psi	bar	psi			
38	48	6	87	18	261	40	40.52	0.154
38	42.8	5	73	16	232	50	22.85	0.154
38	44	5	73	16	232	50	28.95	0.161
38	44.6	5	73	16	232	50	32.10	0.169
38	45.5	6	87	18	261	50	36.85	0.173
38	46.4	6	87	18	261	50	41.75	0.184
45	56	6	87	17	247	40	52.32	0.190
45	50	5	73	16	232	50	27.95	0.198
45	52	5	73	16	232	50	40.00	0.211
45	53	5	73	16	232	50	46.15	0.229
48	59	5	73	16	232	40	59.12	0.208
48	54.6	5	73	15	218	50	42.55	0.234
48	56.4	5	73	15	218	50	55.05	0.262
48	58	5	73	15	218	50	66.55	0.267
50	62	5	73	16	232	40	67.52	0.276
50	55.6	5	73	10	145	50	37.15	0.258
50	57.2	5	73	14	203	50	48.45	0.268
50	58.2	5	73	14	203	50	55.70	0.273
50	60	5	73	15	218	50	69.10	0.289
58	70	5	73	15	218	40	72.36	0.350
63	80	5	73	14	203	30	94.47	0.330
64	72.3	4	58	10	145	40	58.60	0.351
64	75	4	58	10	145	40	79.20	0.370
64	76	4	58	10	145	40	87.04	0.370
64	77	4	58	10	145	40	94.96	0.389
75	91	5	73	13	189	30	103.20	0.436
75	84	4	58	10	145	40	74.16	0.504
75	85	4	58	10	145	40	82.88	0.504
75	87	4	58	10	145	40	100.72	0.681
75	89	4	58	10	145	40	118.96	0.715
90	108	4	58	12	174	20	95.12	0.640
100	118	3	44	10	145	20	104.74	0.505
102	112	3	44	10	145	30	175.68	0.667
102	114	3	44	10	145	30	103.77	0.676
102	115	3	44	10	145	30	112.95	0.706
102	118	3	44	10	145	30	140.91	0.716
110	123	3	44	10	145	20	80.84	0.810
117	133	3	44	10	145	20	109.90	1.024
127	143	3	44	10	145	20	118.70	1.243
140	156	3	44	10	145	10	65.06	0.627
152	170	3	44	10	145	10	81.90	0.765
160	176	3	44	10	145	10	75.96	0.922
180	196	3	44	10	145	10	85.01	1.156
200	224	3	44	10	145	10	143.79	1.426

	ID(mm)	OD(mm)	Length (m/roll)	Recommended operating limits		Weight(g/m)
				Working Pressure (bar)	Burst Pressure(bar)	
Light Duty	6	10	100	10.00	40.00	65
	8	12	100	10.00	40.00	82
	10	14	100	9.00	35.00	98
	12	16	50	7.00	20.00	115
	13	17	50	7.00	20.00	125
	16	20	50	6.00	20.00	150
	19	23	50	4.00	12.00	170
	20	24	50	4.00	12.00	180
	25	29	50	3.00	10.00	220
	32	38	40	3.00	10.00	430
	38	45	40	3.00	10.00	590
	45	55	30	3.00	10.00	1020
	50	59	30	3.00	10.00	1100
	Heavy Duty	5	10	100	12.00	45.00
6		11	100	12.00	45.00	87
8		13	100	12.00	45.00	105
10		15	100	12.00	40.00	130
12		18	100	10.00	30.00	185
16		22	50	10.00	30.00	230
19		25	50	10.00	30.00	270
22		28	50	10.00	30.00	305
25		31	50	10.00	30.00	340
32		40	40	6.00	18.00	590
38		46	40	6.00	18.00	690
45		56	30	5.00	15.00	1140
50		62	30	5.00	15.00	1380
64		78	20	5.00	15.00	2030
76	92	20	5.00	15.00	2750	



**Layflat Discharge Hose—Light Duty**

**Application:**

As suction and discharge hose, very ideal for conveying liquid materials in industry, agriculture irrigation, mines, civil engineering and construction dewatering and submersible pumping etc.

**Features:**

- ◆ Extremely flexible and light weight
- ◆ Aging resistant
- ◆ Abrasion resistant
- ◆ Pressure resistant
- ◆ Portable and with good adaptability
- ◆ Could be made UV resistant upon request



**Material:**

Good quality PVC and high grade strength polyester yarn reinforcement

**Working temperature range:**

-5 °C to +65 °C

ID (mm)	Wall thick (mm)	Length (m/roll)	Recommended operating limits		Weigth (g/m)
			Working Pressure (bar)	Burst Pressure (bar)	
25	1.30	100	4	15	150
32	1.20	100	4	15	170
38	1.20	100	4	15	190
51	1.00	100	4	12	220
64	1.10	100	4	12	300
76	1.10	100	4	12	360
103	1.25	100	4	12	550
127	1.35	100	3	10	750
153	1.35	100	3	9	900
20	1.35	100	6	21	110
25	1.30	100	6	21	160
32	1.20	100	6	21	190
38	1.20	100	6	21	220
40	1.40	100	6	18	225
51	1.45	100	6	18	300
64	1.55	100	6	18	430
76	1.65	100	6	18	500
103	1.90	100	6	18	800
127	2.00	100	6	18	1080
153	2.40	100	6	18	1600

**Layflat Discharge Hose—Heavy Duty**

**Application:**

As suction and discharge hose, very ideal for conveying liquid materials in industry, agriculture irrigation, mines, civil engineering and construction dewatering and submersible pumping etc.

**Features:**

- ◆ Reinforced with specialized industrial polyester yarn
- ◆ Aging resistant
- ◆ Abrasion resistant
- ◆ High pressure resistant
- ◆ Portable and with good adaptability
- ◆ Could be made UV resistant upon request



**Material:**

Good quality PVC and high grade strength polyester yarn reinforcement

**Working temperature range:**

-5 °C to +65 °C

ID (mm)	Wall thick (mm)	Length (m/roll)	Recommended operating limits		Weigth (g/m)
			Working Pressure (bar)	Burst Pressure (bar)	
20	1.55	50	10	30	140
25	1.80	50	10	30	200
32	1.50	50	10	30	210
38	1.70	50	10	30	290
40	1.90	50	10	30	300
45	2.00	50	10	30	350
51	1.55	50	8	24	350
51	1.80	50	10	30	420
64	1.90	50	10	30	700
76	2.00	50	8	24	660
76	2.55	50	10	30	850
103	2.25	50	8	24	1000
103	2.70	50	10	30	1200
153	3.00	50	8	24	2000

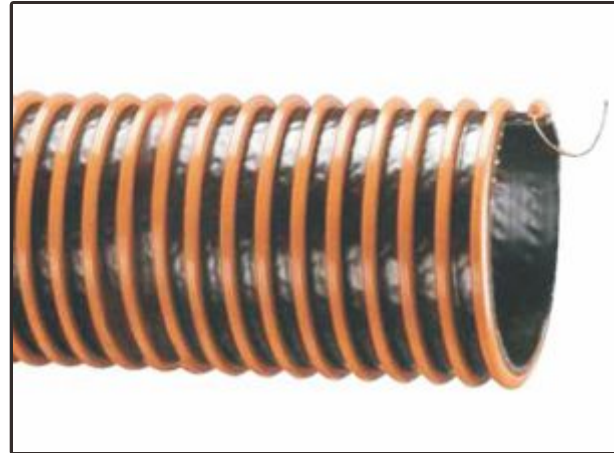
**Fuel Drop Hose**

**Application:**

This hose is mainly used for tank truck gravity drop fuel transmission

**Features:**

- ◆ Made of specialty rubber compounds to transfer gasoline, diesel, ethanol.
- ◆ Durable construction with high tensile strength polyester yarn fabric reinforcement.
- ◆ Grounding wire- durable multi-strand copper wire dissipates static electricity.
- ◆ Static dissipating tube- specially formulated to help prevent the build-up of static electricity for added safety.
- ◆ Lighter weight and greater flexibility than conventional rubber drop hose
- ◆ Easy slide and rigid clockwise helix design protects hose tube from cover wear.



**Material:**

Wall: specially blended nitrile(NBR)rubber  
 Helix: rigid PVC helix and embedded grounding wire

**Working temperature range:**

-20°C to +65°C

ID (mm)	OD (mm)	Working Pressure		Bending Radius (inch)	Length (m/roll)	Weight(kg/m)
		bar	psi			
50.8	66	5	75	5	30	0.80
76	93	4	60	6	30	1.24
102	121	4	60	6	30	2.00

**PVC Kink—Proof Suction Hose  
 (PVC Fibre Reinforced Suction Hose)**

**Application:**

This hose is widely used for fish suction, irrigation lines, pumps, rental and construction dewatering.  
 Also for trash suction and discharge; heavy duty water suction etc.

**Features:**

- ◆ Designed with high tensile strength polyester fibre to handle both suction and higher pressure discharge applications.
- ◆ Transparent construction allows to see the flow of the materials inside the hose
- ◆ Rigid pvc helix design protects hose from external abrasion
- ◆ Easy-to-handle



**Material:**

Tube: double-ply PVC  
 Reinforcement: polyester fibre  
 Helix: rigid PVC

**Working temperature range:**

-20°C to +65°C

ID (mm)	OD (mm)	Wall Thickness (mm)	Working Pressure		Vacuum mmHg(20°C)	Bending Radius (mm)	Length (m)	Weight kg/m	Dimension D*H(cm)	Volume m³/roll
			bar	psi						
38.1	48.1	5	6.9	100	750	20	30	0.42	80x30	0.192
50.8	63.0	6	6.9	100	750	25	30	1.10	100x25	0.250
64.0	78.0	7	6.9	100	750	30	30	1.50	115x35	0.463
76.2	92.0	8	6.2	90	750	30	30	1.80	135x40	0.729
101.6	121.0	9	6.2	90	750	40	30	2.70	200x35	1.400
127.0	149.0	11	4.1	60	750	60	30	3.50	220x35	1.690
152.4	174.0	11	3.45	50	750	75	30	5.70	230x35	1.850
203.5	227.0	12	3.45	50	750	95	12	8.00	1200x230	0.640

**Low Temperature PVC Suction Hose**

**Application:**

This hose is mainly used under extreme cold conditions, it is designed for pumps, rental and construction dewatering, water suction etc.

**Features:**

- ◆ Hose remains flexible in sub-zero temperature.
- ◆ Smooth outer cover increases pressure rating.
- ◆ Transparent construction is available to see the flow of the materials inside the hose

**Material:**

Wall: PVC  
 Helix: rigid PVC

**Working temperature range:**

-30°C to +65°C



ID (mm)	OD (mm)	Wall Thickness (mm)	Working Pressure		Vacuum mmHg(20°C)	Bending Radius (mm)	Length (m/roll)	Dimension D*H(cm)	Volume m <sup>3</sup> /roll
			bar	psi					
19.0	25.0	3.0	5.0	75	750	70	50	60x20	0.072
25.4	31.4	3.0	5.0	75	750	70	50	60x25	0.090
31.7	37.7	3.0	5.0	75	750	90	50	70x30	0.147
38.1	45.1	3.5	5.0	75	750	110	50	80x30	0.192
50.8	58.8	4.0	5.0	75	750	150	50	100x25	0.250
63.5	72.5	4.5	4.0	60	750	180	50	115x35	0.463
76.2	86.2	5.0	4.0	60	750	220	50	135x40	0.730
101.6	103.6	6.0	4.0	60	750	330	50	200x35	1.400
127.0	141.0	7.0	3.0	45	750	500	50	230x42	2.220
152.4	168.4	8.0	3.0	45	750	700	30	230x35	1.850

**PVC Anti Shock Suction Hose —Light Duty**

**Application:**

As suction and discharge hose ideal for abrasive powders, chips, gravel, sand, cements, shavings, and smoke, vapours;

**Features:**

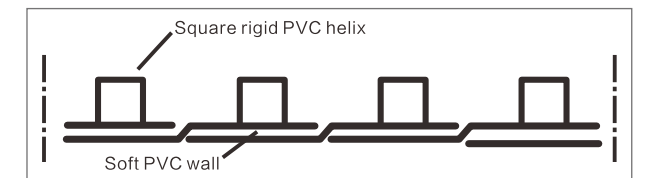
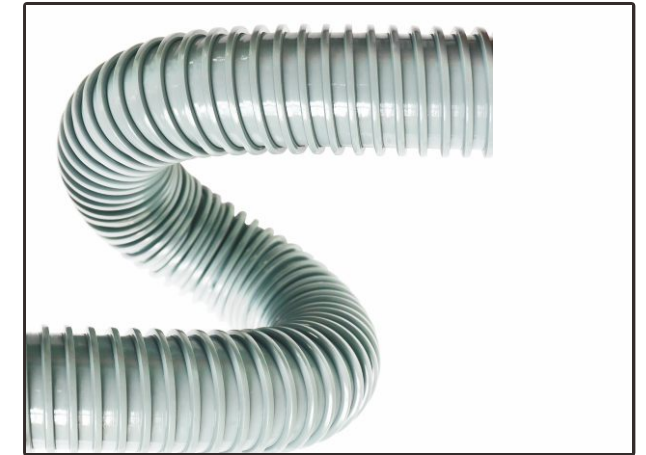
- ◆ PVC hose reinforced with anti-shock rigid PVC spiral
- ◆ Inside surface perfectly smooth, outside corrugated
- ◆ High resistance against abrasion and bending
- ◆ Could be manufactured anti-static upon request
- ◆ Could be manufactured in PU upon request
- ◆ High tensile strength and tear resistant
- ◆ Could be resistant to chemicals and mineral oils upon request
- ◆ Comply to RoHS

**Material:**

Wall: Soft PVC  
 Spiral: Square rigid PVC helix

**Working temperature range:**

-20°C to +70°C (Short time to 80°C)



ID (mm)	Wall Thickness (mm)	Smallest Bending Radius (from outer edge of hose) (mm)	Recommended operating limits		Length per piece (m)
			Work Pressure(bar)	Vacuum Pressure(bar)	
25	0.8	35	1.6	0.50	20
32	0.8	50	1.5	0.45	20
38	0.8	55	1.3	0.40	20
51	0.8	110	1.2	0.35	20
63	0.8	163	1.2	0.30	20
76	0.8	190	1.1	0.30	20
89	0.8	220	1.0	0.25	20
102	0.8	240	1.0	0.25	20
127	0.8	400	0.8	0.20	20
152	0.8	450	0.6	0.15	20
178	0.8	500	0.5	0.15	20
203	0.8	550	0.4	0.10	20



**Polypropylene Drain Hose**

**Application:**

As water drain hose for sink, basin or bathtub etc. Ideal for use in portable air conditioning system. Could also be used for suction of gaseous media such as vapor and smoke, or be used in industrial vacuum system.

**Features:**

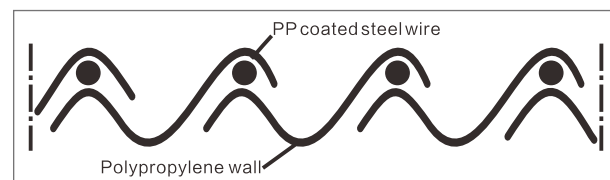
- ◆ Highly flexible and compressible
- ◆ With steel wire helix reinforcement
- ◆ Tearing resistant
- ◆ High tensile strength
- ◆ Various of sizes are available
- ◆ Different colors are available
- ◆ Fittings and connectors are available
- ◆ Comply to RoHS

**Material:**

Wall: High grade polypropylene  
 Spiral: Spring steel wire or PP coated steel wire

**Working temperature range:**

-20°C to +70°C (Short time to 80°C)



ID (mm)	OD (mm)	Wall Thickness (mm)	Smallest Bending Radius (from outer edge of hose) (mm)	Recommended operating limits		Length per piece (m)
				Work Pressure (bar)	Vacuum Pressure (bar)	
25	32	0.6	35	0.70	0.34	10
32	38	0.6	42	0.65	0.32	10
38	46	0.6	50	0.58	0.30	10
51	58	0.6	65	0.43	0.24	10
63	73	0.6	80	0.35	0.18	10
76	85	0.6	93	0.30	0.13	10
90	100	0.6	110	0.25	0.10	10
102	112	0.6	122	0.23	0.08	10
127	137	0.6	150	0.18	0.06	10
152	162	0.6	178	0.16	0.05	10
203	213	0.6	233	0.12	0.015	10

**PVC Interlocked Hose**

**Application:**

This hose is suitable for use in portable air conditioning system, also ideal for extraction of smoke from the welding equipment.

**Features:**

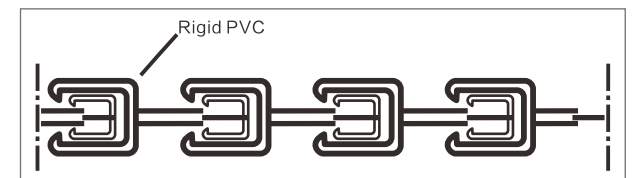
- ◆ Could be screwed to adjust internal and external diameter
- ◆ Could be screwed to adjust on length
- ◆ Protection against liquids
- ◆ High tensile strength
- ◆ For higher mechanical stress
- ◆ Different sizes and color are available
- ◆ Crush proof
- ◆ Comply to RoHS

**Material:**

By 100% top grade of PVC

**Working Temperature Range:**

-20°C to +70°C (Short time to 80°C)



ID (mm)	OD (mm)	Smallest Bending Radius (from outer edge of hose) (mm)	Vacuum Pressure (bar)	Length per piece (m)
51	57	140	0.60	3
63	70	160	0.60	3
76	83	190	0.60	3
89	95	211	0.55	3
102	108	229	0.50	3
127	133	280	0.45	3
152	159	318	0.40	3
203	210	432	0.30	3

## ANFO Explosive Loading Hose

A specially formulated anti-static thermoplastic tubing for the loading of ammonium nitrate/fuel oil blasting agents used in the mining and construction industries.

### Application:

- ◆ Bulk unloading of ammonium nitrate/fuel oil blasting agents in small diameter holes.
- ◆ Successfully used for years with Orica's blast hole chargers, intermediate loaders and the Penberthy Anoloader.
- ◆ Mining and construction site blasting.

### Features:

- ◆ Conductivity – effectively limits build-up of static electricity; provides path for its safe dissipation to ground.
- ◆ Bleeds off static charges built up during pneumatic loading of Ammonium Nitrate/Fuel Oil mixtures.
- ◆ Sufficient resistance – guards blasting circuit against stray electrical currents.
- ◆ Wear resistance – smooth interior and exterior surfaces, combined with tough material formulation, provide good wear resistance.
- ◆ Self-extinguishing characteristics.
- ◆ Excellent flexibility – sufficiently flexible to handle easily, yet rigid enough to reach upwards into collars of steeply-inclined holes.
- ◆ Easily identifiable – co-extruded continuous orange stripe makes tubing visible in underground lighting.
- ◆ Packaged for ease of handling and shipping.



### Material:

Specially-formulated anti-static thermoplastic compound.

### Working temperature range:

-30°F (-35°C) to +150°F (+65°C)

Inside Diameter		Approx. O.D.		Max.W.P.		Approx. Wt. per 100 ft. (lbs)	Approx. Wt. per 100 m (kg)	Length /Coil	
inch	mm	inch	mm	psi	mpa			ft	m
5/8	16	55/64	22	120	0.83	17.5	25	200	61
3/4	19	1-1/16	27	120	0.83	28	40	200	61
1	25	1-21/64	34	120	0.83	38	55	300	91
1-1/4	32	1-5/8	41	120	0.83	55	78	100	30

## Silicone Tubing

### Application:

Ideally used for water dispenser, fish tank, medical equipment, coffee machine, food and beverage, air and gas lines, chemical lines, laboratory and research, protective jacketing, water and fluid lines.

### Features:

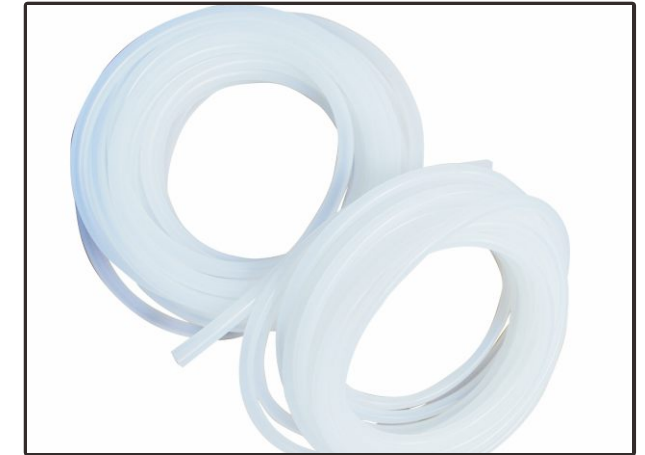
- ◆ Good resistance to high temperature and high pressure
- ◆ Good toughness, strong tensile and not easy to deform
- ◆ Strong winding/elastic silicone rich in good winding performance
- ◆ Excellent material selection, feels smooth, comfortable and soft, and has the advantages of good processing performance and easy molding.

### Material:

100% silicone

### Working temperature range:

- 60°C to +260°C



Product Name	Specifications	Gram weight	Product Name	Specifications	Gram weight
Silicone tubing	3*12	138	Silicone tubing	9*12	64
Silicone tubing	4*6	21	Silicone tubing	9*13	90
Silicone tubing	4*7	34	Silicone tubing	10*12	45
Silicone tubing	4*8	49	Silicone tubing	10*13	71
Silicone tubing	4*10	86	Silicone tubing	10*14	98
Silicone tubing	5*7	25	Silicone tubing	10*16	160
Silicone tubing	5*8	40	Silicone tubing	12*14	53

## PVC Garden Hose

### Application:

This hose is widely used for garden watering, household cleaning and car washing in the parks, factories, families or community.

### Features:

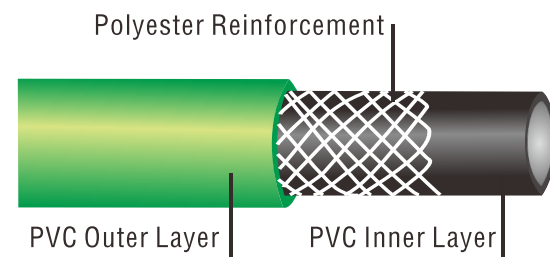
- ◆ Resistant to high pressure, no leakage
- ◆ Good abrasion resistance, long working life
- ◆ Non-toxic, no odor
- ◆ Anti-UV
- ◆ Light weight and flexible, easy to coil

### Material:

Tube and Cover: PVC  
Reinforcement: High tensile polyester threads

### Working temperature range:

-10°C to +65°C



ID (mm)	OD (mm)	Working Pressure		Bursting Pressure		Weight (Kg/roll)	Volume m <sup>3</sup>	Length (m/roll)
		bar	psi	bar	psi			
10	14	8	116	24	348	5.05	0.016	50
11	15	8	116	24	348	1.64	0.008	15
12	15.4	6	87	18	261	0.74	0.004	7.5
12	15.4	6	87	18	261	1.47	0.006	15
12	15.4	6	87	18	261	1.96	0.010	20
12	15.4	6	87	18	261	2.21	0.009	22.5
12	15.4	6	87	18	261	2.94	0.009	30
12	16	7	102	21	304.5	5.9	0.022	50
12	16	7	102	21	304.5	10.74	0.033	91
12	16	7	102	21	304.5	11.8	0.033	100
15	20	6	87	20	290	9.2	0.026	50
15	19	6	87	20	290	3.58	0.017	25
15	19	6	87	20	290	4.29	0.016	30
16	21	5	73	18	261	1.95	0.008	10
16	21	5	73	18	261	5.85	0.022	30
16	21	5	73	18	261	9.75	0.032	50
19	23	5	73	15	217.5	3.54	0.018	20
19	23	5	73	15	217.5	5.31	0.026	30
19	23	5	73	15	217.5	8.85	0.045	50
25	30	3	44	9	130.5	14.45	0.060	50

## Multi-Purpose PVC Air Hose—Matt Surface

### Application:

This hose is designed to use for pneumatic tools, air compressors, rock drill, automated air line, air supply, cleaning equipment, construction equipment and so on.

### Features:

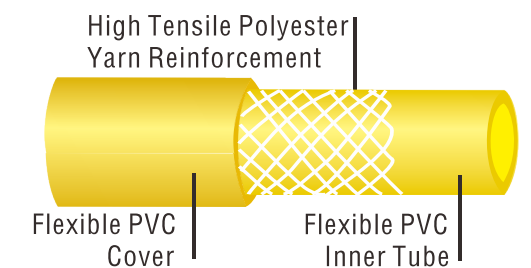
- ◆ Resistant to oil mist, ozone, UV and weather
- ◆ Flexible and non-kinking
- ◆ Different colors in black, yellow, red etc. are available

### Material:

Tube and Cover: Smooth and oil resistant TPR (NBR/PVC)  
Reinforcement: 1 ply or 2ply polyester braiding

### Working temperature range:

-30°C to +80°C



ID (mm)	OD (mm)	Working Pressure		Bursting Pressure		Length (m/roll)	Weight (Kg/m)	Volume m <sup>3</sup> /roll
		bar	psi	bar	psi			
6	12	20	300	60	900	100	0.112	0.024
8	14	20	300	60	900	100	0.143	0.029
10	16	20	300	60	900	100	0.169	0.040
13	20	20	300	60	900	100	0.250	0.058
16	25	20	300	60	900	100	0.392	0.080
19	28	20	300	60	900	100	0.468	0.114
25	35	20	300	60	900	100	0.660	0.188



## Multi-Purpose PVC Air Hose—Shining Surface

### Application:

This hose is widely used in pneumatic tools, air compressors, automated air line, rock drill, air supply, construction equipment and cleaning equipment etc.

### Features:

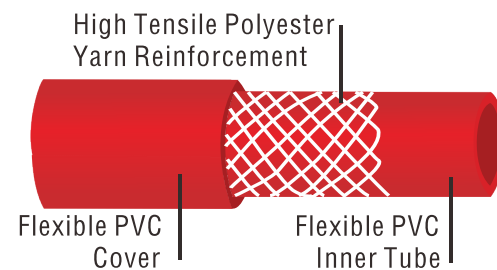
- ◆ Resistant to ozone, UV and weather
- ◆ Light, flexible, non-kinking and non-twisting
- ◆ High tensile polyester reinforced
- ◆ Work under high pressure 20 bar
- ◆ Strong peeling adhesion between fibre and pvc
- ◆ Can be used for jackhammer hose
- ◆ Different colors in black, red, yellow, blue etc. are available

### Material:

Tube: PVC  
Reinforcement: 1 ply or 2ply high tensile polyester braiding  
Cover: PVC

### Working temperature range:

-10°C to +65°C



ID(mm)	OD(mm)	Working Pressure		Bursting Pressure		Length (m/roll)	Weight (Kg/m)	Volume m <sup>3</sup> /roll
		bar	psi	bar	psi			
6.4	12	20	300	60	900	100	0.108	0.024
8	14	20	300	60	900	100	0.143	0.029
10	16	20	300	60	900	100	0.169	0.040
13	20	20	300	60	900	100	0.250	0.058
16	25	20	300	60	900	50	0.392	0.040
19	28	20	300	60	900	50	0.468	0.057
25	35	20	300	60	900	50	0.660	0.094
32	44	20	300	60	900	50	1.010	0.169
38	50	20	300	60	900	50	1.170	0.227
50	64	20	300	60	900	50	1.766	0.375

## PVC High Pressure Spray Hose

### Application:

This hose is widely used in high pressure washer, pneumatic tools and air compressors. It's also used in agriculture for spraying of pesticide, fertilizer solution or fungicide.

### Features:

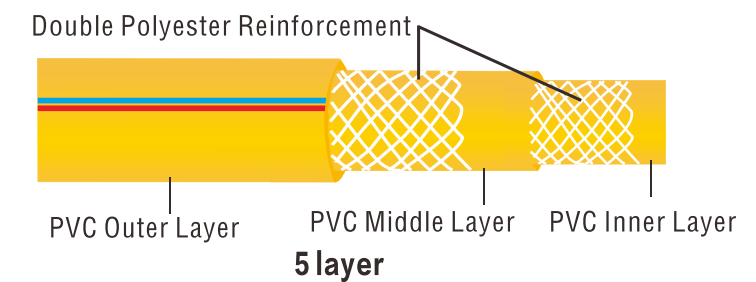
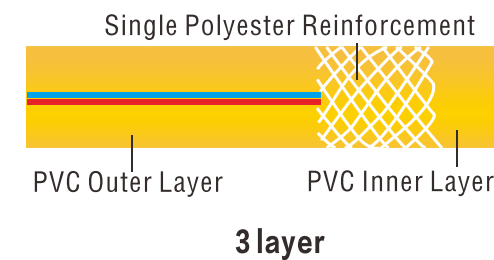
- ◆ Being durable by made of tough PVC materials
- ◆ Reinforced with high tensile polyester fibre
- ◆ Anti-erosion, anti-UV, anti-aging
- ◆ Light weight and flexible, non-kinking

### Material:

Tube: PVC  
Reinforcement: High tensile strength polyester fibre  
Cover: PVC

### Working temperature range:

-10°C to +65°C



	ID(mm)	OD(mm)	Working Pressure		Bursting Pressure		Length (m)	Weight(kg/roll)	Volume m <sup>3</sup>
			bar	psi	bar	psi			
3 layer	6.5	11.5	40	600	120	1800	100	9.89	0.015
	8	13	40	600	120	1800	100	11.54	0.030
	8	13.5	40	600	120	1800	100	13.00	0.031
	8.5	13.5	40	600	120	1800	100	12.09	0.031
	8	14	40	600	120	1800	100	14.51	0.032
	10	15	40	600	120	1800	100	13.74	0.035
	13	19	40	600	120	1800	100	21.10	0.038
5 layer	6.5	12	60	900	180	2700	100	11.26	0.017
	8	13.5	60	900	180	2700	100	13.09	0.032
	8	14	60	900	180	2700	100	14.61	0.033
	8.5	14	60	900	180	2700	100	13.70	0.033
	10	16	50	700	150	2100	100	17.27	0.040
13	19	50	700	150	2100	100	21.25	0.052	

## PVC Welding Hose

### Application:

This hose is widely used in welding machine, architecture and lacquer factory.

### Features:

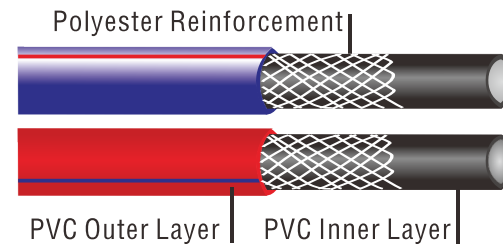
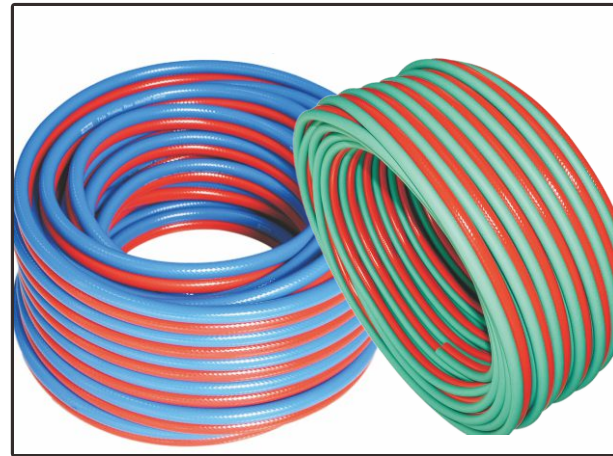
- ◆ Good resistance to UV, ozone and weather
- ◆ Reinforced with high tensile polyester fibre
- ◆ Work under high pressure 20–40 bar
- ◆ Strong peeling adhesion between fibre and pvc
- ◆ Light, flexible, non-kinking and non-twisting
- ◆ Can be used for jackhammer hose
- ◆ Different colors in black, red, yellow, blue etc are available

### Material:

Tube: PVC  
Reinforcement: High tensile polyester braiding  
Cover: PVC

### Working temperature range:

-10°C to +65°C



	ID (mm)	OD (mm)	Working Pressure		Bursting Pressure		Length (m)	Weight (kg/roll)	Volume (m <sup>3</sup> /roll)
			bar	psi	bar	psi			
3 layer	6	12	20	300	60	900	100	23.74	0.050
	8	14	20	300	60	900	100	29.01	0.059
	10	16	20	300	60	900	100	34.29	0.068
5 layer	6	12	40	600	120	1800	100	23.91	0.055
	8	14	40	600	120	1800	100	29.22	0.064
	10	16	40	600	120	1800	100	34.53	0.075
Fully cotton braided	6	12	40	600	120	1800	100	23.00	0.051
	8	14	40	600	120	1800	100	26.40	0.060
	10	16	40	600	120	1800	100	33.00	0.070

## Fuel And Oil Delivery Hose

### Application:

This hose is ideally used for transmission of diesel, gasoline, lubricants and other mineral oils.

### Features:

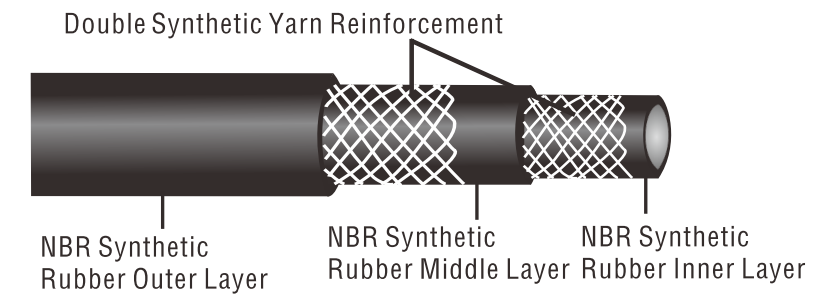
- ◆ Resistant to oil, abrasion, weather and ozone
- ◆ Anti-bending and less distortion
- ◆ Highly flexible and light weight
- ◆ Anti static version is available.
- ◆ Different colors are available

### Material:

Tube: Black NBR synthetic rubber  
Reinforcement: High tensile synthetic yarn, single/double synthetic yarn braided or spiraled  
Cover compound: NBR synthetic rubber

### Working temperature range:

-30°C to +80°C



	ID (mm)	OD (mm)	Working Pressure		Burst Pressure (bar)		Fiber layer (ply)	Weight (kg/m)	Length (m/roll)
			bar	psi	bar	psi			
	4.8	11.5	20	300	60	900	1	0.15	100
	6.4	16.0	20	300	60	900	1	0.18	100
	7.9	15.0	20	300	60	900	1	0.22	100
	9.5	19.1	20	300	60	900	1	0.27	100
	12.7	23.1	20	300	60	900	1	0.40	100
	15.9	24.5	20	300	60	900	1	0.50	100
	19.1	29.0	20	300	60	900	1	0.75	100
	19.1	30.0	20	300	60	900	2	0.80	100
	25.4	36.1	20	300	60	900	1	0.95	100
	25.4	36.1	20	300	60	900	2	0.95	100
	31.8	44.5	20	300	60	900	2	0.70	50
	38	54.0	20	300	60	900	2	0.85	50

## PU Pneumatic Hose

### Application:

Ideally used for industrial automation, pneumatic tools, tube for water and fluids, vacuum tubes, protective sleeve for metal and electronic products. Also used for the piping of air concerned system.

### Features:

- ◆ Excellent pressure resistance
- ◆ Good resistance to weather and corrosion
- ◆ Highly flexible
- ◆ Hardness: 95A-98A
- ◆ Fluid admitted: Air

### Material:

Polyurethane

### Working temperature range:

-20°C to +70°C



	PU	PU-S	PU-M	PU-ZR	PU-JD	PU-UV
Material	Polyurethane	Palmitin	Polyether	Flame Retardant	Anti-static	UV Anti-static
Fluid Admitted	Air	Air	Air Water	Air	Air	Air
kgf/cm <sup>2</sup> /Service Pressure Range Kg/Cm <sup>2</sup>	0~10	0~8	0~8	0~8	0~8	0~8
Hardness	95~98A	85~90A	85~95A	85~95A	85~90A	85~90A
Standard	ROHS		Hydrolysis Resistance, Anti-Bacteria FDA	UL-94 Standard V-0		Level 4
Service Temperature	-20°C~70°C					

### Parameter:

Item No	ID(mm)	OD(mm)	Length (m/roll)	Min bending radius at 20°C(mm)	Min working pressure at 20°C(kgf/Cm <sup>2</sup> )
PU-0320	2mm	3mm	200m	10mm	0 ~ 10
PU-0425	2.5mm	4mm	200m	10mm	0 ~ 10
PU-0640	4mm	6mm	200m	15mm	0 ~ 10
PU-0855	5.5mm	8mm	100m	20mm	0 ~ 10
PU-0850	5mm	8mm	100m	20mm	0 ~ 10
PU1065	6.5mm	10mm	100m	30mm	0 ~ 10
PU-1280	8mm	12mm	100m	35mm	0 ~ 10
PU-1410	10mm	14mm	100m	55mm	0 ~ 10
PU-1612	12mm	16mm	100m	65mm	0 ~ 10
PU-1/4	4.57mm	6.35mm	200m	15mm	0 ~ 10
PU-3/8	6.35mm	9.52mm	100m	30mm	0 ~ 10
PU-1/2	8.46mm	12.7mm	100m	35mm	0 ~ 10

## Swimming Pool Hose

### Application:

As vacuum cleaner hose ideally for swimming pool

### Features:

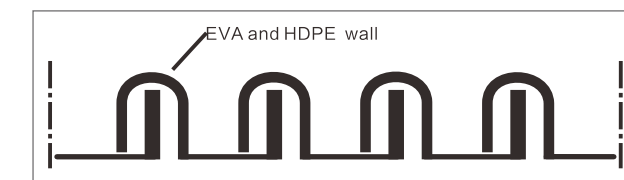
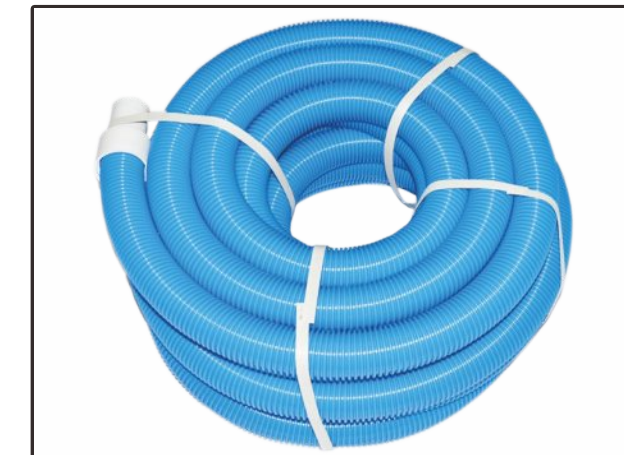
- ◆ Highly flexible and floatable
- ◆ Smooth interior
- ◆ Crush proof structure
- ◆ Gas and liquid tight
- ◆ Small bending radius
- ◆ Extremely Tearing resistant
- ◆ High tensile strength
- ◆ Different colors are available
- ◆ Swivel cuffs rotates to eliminate kinks are available
- ◆ Comply to RoHS
- ◆ Green, red, yellow colors are available

### Material:

EVA and HDPE

### Working temperature range:

-20°C to +70°C (Short time to 80°C)



ID(mm)	OD(mm)	Smallest Bending Radius (from outer edge of hose) (mm)	Vacuum Pressure(bar)	Length per piece(m)
25	32	66	0.80	15
32	40	82	0.80	15
38	46	93	0.80	15
45	55	111	0.75	15
51	61	121	0.75	15
63	73	138	0.75	15



# Utigoflex Vacuum Hose

YOUR FLEXIBLE HOSE & DUCTING SOLUTIONS SUPPLIER

## Vacuum Cleaner Hose

### Application:

As vacuum cleaner hose, especially suitable for:

- ◆ Industrial vacuum cleaners
- ◆ Family vacuum cleaners

### Features:

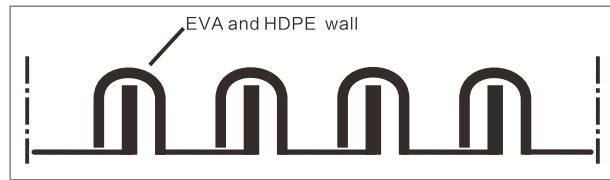
- ◆ Different types are available
- ◆ Highly flexible
- ◆ High tensile strength
- ◆ Extremely tearing resistant
- ◆ Antistatic option is available
- ◆ Crush-proof
- ◆ Gas and liquid tight
- ◆ Comply to RoHS
- ◆ Anti static version ( $R < 10^8 \Omega$ ) and conductive version ( $R < 10^4 \Omega$ ) are available

### Material:

EVA and HDPE

### Working temperature range:

-20°C to +70°C (Short time to 80°C)



ID(mm)	OD(mm)	Smallest Bending Radius (from outer edge of hose) (mm)	Vacuum Pressure(bar)	Length per piece(m)
25	32	66	0.80	15
32	40	82	0.80	15
38	46	93	0.80	15
45	55	111	0.75	15
51	61	121	0.75	15
63	73	138	0.75	15

# Utigoflex Food Grade Hose

YOUR FLEXIBLE HOSE & DUCTING SOLUTIONS SUPPLIER

## Smooth Surface PVC Spiral Hose—Food Grade

### Application:

This product is suitable for conveying foods like milk, beverage, jam and wine which compliant to FDA & REACH. Also used for food industry and health care industry.

### Features:

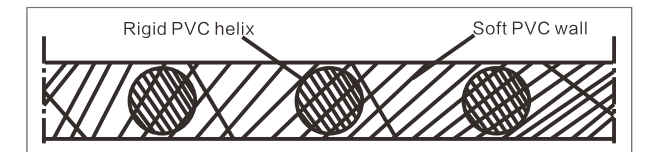
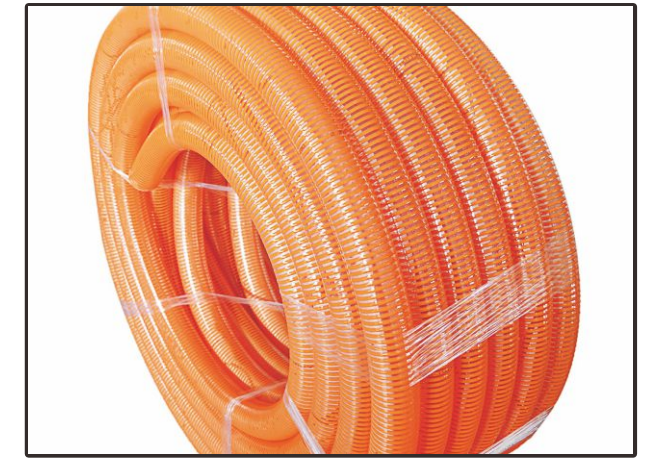
- ◆ Extremely smooth inner wall and outer surface
- ◆ Reinforced with pvc helix
- ◆ Non-toxic and non-smell
- ◆ Good resistance to crushing, abrasion and most chemicals
- ◆ Superior resistance against inside and outside pressure
- ◆ Different colors are available
- ◆ Small bending radius and flexible.

### Material:

Wall: soft pvc  
Helix: pvc

### Working temperature range:

-20°C to +70°C



	ID(mm)	OD(mm)	Wall Thickness (mm)	Working Pressure (bar)	Vacuum mmHg(20°C)	Bending Radius (mm)	Length (m)	Dimension D*H(cm)	Volume m³/roll
Standard Duty	19.0 ± 0.5	23.0 ± 0.5	2.0	5.0	750	70	50	60x20	0.072
	25.4 ± 0.5	29.4 ± 0.5	2.0	5.0	750	70	50	60x25	0.090
	31.7 ± 0.5	35.7 ± 0.5	2.0	5.0	750	90	50	70x30	0.147
	38.1 ± 0.5	44.1 ± 0.5	3.0	5.0	750	110	50	80x30	0.192
	50.8 ± 1.0	57.8 ± 1.0	3.5	5.0	750	150	50	100x25	0.250
	63.5 ± 1.0	70.5 ± 1.0	3.5	4.0	750	180	50	115x35	0.463
	76.2 ± 1.0	84.2 ± 1.0	4.0	4.0	750	220	50	135x40	0.730
	101.6 ± 1.5	111.6 ± 1.5	5.0	4.0	750	330	50	200x35	1.400
	127.0 ± 1.5	139.0 ± 1.5	6.0	3.0	750	500	50	230x42	2.220
	152.4 ± 1.5	166.4 ± 1.5	7.0	3.0	750	700	30	230x35	1.850
	203.2 ± 1.5	219.2 ± 1.5	8.0	2.5	750	1100	12	1200x230	0.640
	254.0 ± 1.5	274.0 ± 1.5	10.0	2.5	750	1400	12	1200x280	0.941
	304.8 ± 1.5	324.8 ± 1.5	10.0	2.5	750	1800	12	1200x330	1.310
355.6 ± 1.5	375.6 ± 1.5	10.0	2.5	750	2200	12	1200x383	1.761	
Heavy Duty	19.0 ± 0.5	25.0 ± 0.5	3.0	5.0	750	70	50	60x20	0.072
	25.4 ± 0.5	31.4 ± 0.5	3.0	5.0	750	70	50	60x25	0.090
	31.7 ± 0.5	37.7 ± 0.5	3.0	5.0	750	90	50	70x30	0.147
	38.1 ± 0.5	45.1 ± 0.5	3.5	5.0	750	110	50	80x30	0.192
	50.8 ± 1.0	58.8 ± 1.0	4.0	5.0	750	150	50	100x25	0.250
	63.5 ± 1.0	72.5 ± 1.0	4.5	4.0	750	180	50	115x35	0.463
	76.2 ± 1.0	86.2 ± 1.0	5.0	4.0	750	220	50	135x40	0.730
	101.6 ± 1.5	103.6 ± 1.5	6.0	4.0	750	330	50	200x35	1.400
	127.0 ± 1.5	141.0 ± 1.5	7.0	3.0	750	500	50	230x42	2.220
	152.4 ± 1.5	168.4 ± 1.5	8.0	3.0	750	700	30	230x35	1.850
	203.2 ± 1.5	225.2 ± 1.5	11.0	2.5	750	1100	12	1200x230	0.640
	254.0 ± 1.5	278.0 ± 1.5	12.0	2.5	750	1400	12	1200x280	0.941
	304.8 ± 1.5	328.8 ± 1.5	12.0	2.5	750	1800	12	1200x330	1.310
355.6 ± 1.5	379.6 ± 1.5	12.0	2.5	750	2200	12	1200x383	1.761	
Light Duty	19.0 ± 0.5	23.0 ± 0.5	2.0	4.0	750	70	50	60x20	0.072
	25.4 ± 0.5	29.4 ± 0.5	2.0	4.0	750	70	50	60x25	0.090
	31.7 ± 0.5	35.7 ± 0.5	2.0	4.0	750	90	50	70x28	0.137
	38.1 ± 0.5	44.1 ± 0.5	3.0	4.0	750	110	50	80x30	0.192
	50.8 ± 1.0	56.8 ± 1.0	3.0	4.0	750	150	50	100x24	0.240
	63.5 ± 1.0	69.5 ± 1.0	3.0	3.0	750	180	50	115x33	0.436
	76.2 ± 1.0	83.2 ± 1.0	3.5	3.0	750	220	50	135x38	0.693
	101.6 ± 1.5	109.6 ± 1.5	4.0	3.0	750	330	50	200x34	1.360

## Smooth Surface Pvc Steel Wire Hose— Food Grade

### Application:

This product is suitable for conveying foods like milk, beverage, jam and wine which compliant to FDA & REACH. Also used for food industry and health care industry.

### Features:

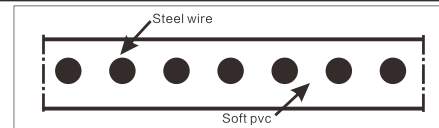
- ◆ Extremely smooth inner wall and outer surface
- ◆ Reinforced with steel wire helix
- ◆ Good resistance to crushing, abrasion and most chemicals
- ◆ Good adaptability to hard weather condition and minus pressure
- ◆ Superior resistance against inside and outside pressure
- ◆ Non-toxic and non-smell
- ◆ Anti-UV

### Material:

Wall: pvc  
Helix: steel wire

### Working temperature range:

-20°C to +70°C



ID(mm)	OD(mm)	Working Pressure		Bursting Pressure		Length (m/roll)	Weight kg/roll	Volume m³
		bar	psi	bar	psi			
6	11	11	160	33	479	100	10.00	0.028
8	14	11	160	33	479	100	15.50	0.039
9	14	10	145	30	435	100	13.50	0.027
10	15	10	145	30	435	100	14.70	0.041
9	15	11	160	33	479	100	17.00	0.029
10	16	11	160	33	479	100	18.40	0.045
12	17	9	131	30	435	100	17.10	0.044
12	18	10	145	30	435	100	21.20	0.049
15	22	10	145	30	435	100	30.50	0.074
15	21	9	131	30	435	100	25.40	0.074
16	20	8	116	20	290	100	17.00	0.061
16	23	9	131	30	435	100	32.10	0.063
19	26	10	145	30	435	50	18.55	0.052
19	25.5	8	116	20	290	50	17.05	0.050
20	26	8	116	20	290	50	16.25	0.050
20	24.5	8	116	20	290	50	11.80	0.050
22	30	8	116	20	290	50	24.50	0.065
22	27	8	116	20	290	50	14.40	0.058
25	33	10	145	25	363	50	27.30	0.085
25	29	7	102	20	290	50	12.70	0.065
25	30	7	102	20	290	50	16.20	0.069
25	32	7	102	20	290	50	23.50	0.078
32	41	7	102	20	290	40	30.96	0.106
32	36	5	73	19	276	50	16.00	0.124
32	38.6	5	73	19	276	50	27.45	0.133
32	41	6	87	20	290	50	38.70	0.152
32	41.6	6	87	20	290	50	44.10	0.130

ID(mm)	OD(mm)	Working Pressure		Bursting Pressure		Length (m/roll)	Weight kg/roll	Volume m³
		bar	psi	bar	psi			
38	48	6	87	18	261	40	40.52	0.154
38	42.8	5	73	16	232	50	22.85	0.154
38	44	5	73	16	232	50	28.95	0.161
38	44.6	5	73	16	232	50	32.10	0.169
38	45.5	6	87	18	261	50	36.85	0.173
38	46.4	6	87	18	261	50	41.75	0.184
45	56	6	87	17	247	40	52.32	0.190
45	50	5	73	16	232	50	27.95	0.198
45	52	5	73	16	232	50	40.00	0.211
45	53	5	73	16	232	50	46.15	0.229
48	59	5	73	16	232	40	59.12	0.208
48	54.6	5	73	15	218	50	42.55	0.234
48	56.4	5	73	15	218	50	55.05	0.262
48	58	5	73	15	218	50	66.55	0.267
50	62	5	73	16	232	40	67.52	0.276
50	55.6	5	73	10	145	50	37.15	0.258
50	57.2	5	73	14	203	50	48.45	0.268
50	58.2	5	73	14	203	50	55.70	0.273
50	60	5	73	15	218	50	69.10	0.289
58	70	5	73	15	218	40	72.36	0.350
63	80	5	73	14	203	30	94.47	0.330
64	72.3	4	58	10	145	40	58.60	0.351
64	75	4	58	10	145	40	79.20	0.370
64	76	4	58	10	145	40	87.04	0.370
64	77	4	58	10	145	40	94.96	0.389
75	91	5	73	13	189	30	103.20	0.436
75	84	4	58	10	145	40	74.16	0.504
75	85	4	58	10	145	40	82.88	0.504
75	87	4	58	10	145	40	100.72	0.681
75	89	4	58	10	145	40	118.96	0.715
90	108	4	58	12	174	20	95.12	0.640
100	118	3	44	10	145	20	104.74	0.505
102	112	3	44	10	145	30	175.68	0.667
102	114	3	44	10	145	30	103.77	0.676
102	115	3	44	10	145	30	112.95	0.706
102	118	3	44	10	145	30	140.91	0.716
110	123	3	44	10	145	20	80.84	0.810
117	133	3	44	10	145	20	109.90	1.024
127	143	3	44	10	145	20	118.70	1.243
140	156	3	44	10	145	10	65.06	0.627
152	170	3	44	10	145	10	81.90	0.765
160	176	3	44	10	145	10	75.96	0.922
180	196	3	44	10	145	10	85.01	1.156
200	224	3	44	10	145	10	143.79	1.426

## PVC Fiber Reinforced Hose —Food Grade

### Application:

This product is suitable for conveying foods like milk, beverage, jam and wine etc. which compliant to FDA & REACH.  
Also used for food industry and health care industry.

### Features:

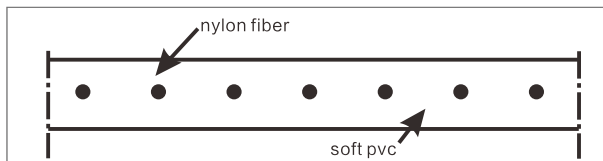
- ◆ Extremely smooth inner wall and outer surface
- ◆ Reinforced with polyester fiber
- ◆ Good resistance to crushing, abrasion and most chemicals
- ◆ Superior resistance against inside and outside pressure
- ◆ Non-toxic and non-smell
- ◆ Anti-UV
- ◆ Small bending radius and flexible

### Material:

Wall: soft pvc  
Helix: nylon fiber

### Working temperature range:

-20°C to +70°C







	ID(mm)	OD(mm)	Length (m/roll)	Recommended operating limits		Weight(g/m)
				Working Pressure (bar)	Burst Pressure(bar)	
Light Duty	6	10	100	10.00	40.00	65
	8	12	100	10.00	40.00	82
	10	14	100	9.00	35.00	98
	12	16	50	7.00	20.00	115
	13	17	50	7.00	20.00	125
	16	20	50	6.00	20.00	150
	19	23	50	4.00	12.00	170
	20	24	50	4.00	12.00	180
	25	29	50	3.00	10.00	220
	32	38	40	3.00	10.00	430
Heavy Duty	38	45	40	3.00	10.00	590
	45	55	30	3.00	10.00	1020
	50	59	30	3.00	10.00	1100
	5	10	100	12.00	45.00	76
	6	11	100	12.00	45.00	87
	8	13	100	12.00	45.00	105
	10	15	100	12.00	40.00	130
	12	18	100	10.00	30.00	185
	16	22	50	10.00	30.00	230
	19	25	50	10.00	30.00	270
	22	28	50	10.00	30.00	305
	25	31	50	10.00	30.00	340
	32	40	40	6.00	18.00	590
	38	46	40	6.00	18.00	690
	45	56	30	5.00	15.00	1140
	50	62	30	5.00	15.00	1380
64	78	20	5.00	15.00	2030	
76	92	20	5.00	15.00	2750	

## Aluminum Cam And Groove Couplings

### Other Materials options:

Stainless Steel A#304/316, Brass, Polypropylene, Nylon



STYLE	SIZE	PAPT#	STYLE	SIZE	PAPT#
 MALE ADAPTER X FEMALE THREAD	1/2"(DN15)	A015-AL	 FEMALE COUPLER X MALE THREAD	1/2"(DN15)	B015-AL
	3/4"(DN20)	A020-AL		3/4"(DN20)	B020-AL
	1"(DN25)	A025-AL		1"(DN25)	B025-AL
	1-1/4"(DN32)	A032-AL		1-1/4"(DN32)	B032-AL
	1-1/2"(DN40)	A040-AL		1-1/2"(DN40)	B040-AL
	2"(DN50)	A050-AL		2"(DN50)	B050-AL
	2-1/2"(DN65)	A065-AL		2-1/2"(DN65)	B065-AL
	3"(DN80)	A080-AL		3"(DN80)	B080-AL
	4"(DN100)	A100-AL		4"(DN100)	B100-AL
	5"(DN125)	A125-AL		5"(DN125)	B125-AL
6"(DN150)	A150-AL	6"(DN150)	B150-AL		
8"(DN200)	A200-AL	8"(DN200)	B200-AL		



STYLE	SIZE	PAPT#	STYLE	SIZE	PAPT#
 FEMALE COUPLER X HOSE SHANK	1/2"(DN15)	C015-AL	 FEMALE COUPLER X FEMALE THREAD	1/2"(DN15)	D015-AL
	3/4"(DN20)	C020-AL		3/4"(DN20)	D020-AL
	1"(DN25)	C025-AL		1"(DN25)	D025-AL
	1-1/4"(DN32)	C032-AL		1-1/4"(DN32)	D032-AL
	1-1/2"(DN40)	C040-AL		1-1/2"(DN40)	D040-AL
	2"(DN50)	C050-AL		2"(DN50)	D050-AL
	2-1/2"(DN65)	C065-AL		2-1/2"(DN65)	D065-AL
	3"(DN80)	C080-AL		3"(DN80)	D080-AL
	4"(DN100)	C100-AL		4"(DN100)	D100-AL
	5"(DN125)	C125-AL		5"(DN125)	D125-AL
6"(DN150)	C150-AL	6"(DN150)	D150-AL		
8"(DN200)	C200-AL	8"(DN200)	D200-AL		



**Aluminum Cam And Groove Couplings**

Other Materials options:  
 Stainless Steel A#304/316, Brass, Polypropylene, Nylon

STYLE	SIZE	PAPT#	STYLE	SIZE	PAPT#
<b>TYPE E</b>	1/2"(DN15)	E015-AL	<b>TYPE F</b>	1/2"(DN15)	F015-AL
	3/4"(DN20)	E020-AL		3/4"(DN20)	F020-AL
	1"(DN25)	E025-AL		1"(DN25)	F025-AL
	1-1/4"(DN32)	E032-AL		1-1/4"(DN32)	F032-AL
	1-1/2"(DN40)	E040-AL		1-1/2"(DN40)	B040-AL
	2"(DN50)	E050-AL		2"(DN50)	F050-AL
	2-1/2"(DN65)	E065-AL		2-1/2"(DN65)	F065-AL
	3"(DN80)	E080-AL		3"(DN80)	F080-AL
	4"(DN100)	E100-AL		4"(DN100)	F100-AL
	5"(DN125)	E125-AL		5"(DN125)	F125-AL
	6"(DN150)	E150-AL		6"(DN150)	F150-AL
8"(DN200)	E200-AL	8"(DN200)	F200-AL		

STYLE	SIZE	PAPT#	STYLE	SIZE	PAPT#
<b>TYPE DC</b>	1/2"(DN15)	DC015-AL	<b>TYPE DP</b>	1/2"(DN15)	DP015-AL
	3/4"(DN20)	DC020-AL		3/4"(DN20)	DP020-AL
	1"(DN25)	DC025-AL		1"(DN25)	DP025-AL
	1-1/4"(DN32)	DC032-AL		1-1/4"(DN32)	DP032-AL
	1-1/2"(DN40)	DC040-AL		1-1/2"(DN40)	DP040-AL
	2"(DN50)	DC050-AL		2"(DN50)	DP050-AL
	2-1/2"(DN65)	DC065-AL		2-1/2"(DN65)	DP065-AL
	3"(DN80)	DC080-AL		3"(DN80)	DP080-AL
	4"(DN100)	DC100-AL		4"(DN100)	DP100-AL
	5"(DN125)	DC125-AL		5"(DN125)	DP125-AL
	6"(DN150)	DC150-AL		6"(DN150)	DP150-AL
8"(DN200)	DC200-AL	8"(DN200)	DP200-AL		

**American Hose Clamp**



SEA NO.	Item NO.			
	LTMS 8.0(Band width 8.0mm)		LTMS 12.7(Band width 12.7mm)	
	inch	mm	inch	mm
04	3/8-5/8	10-16	3/8-5/8	10-16
05	1/2-3/4	13-19	1/2-3/4	13-19
06	1/2-7/8	12-22	5/8-7/8	16-23
08	5/8-1	16-25	3/4-1 1/16	19-27
10	3/4-1 1/16	19-29	5/8-1 1/4	16-32
12	7/8-1 1/4	22-32	3/4-1 1/2	19-38
16	1-1 1/2	25-38	3/4-1 3/4	19-44
20	1 1/4-1 3/4	32-44	1 1/4-2	32-51
24	1 3/8-2	35-51	1 1/2-2 1/4	38-57
28	1 1/2-2 1/4	38-57	1 9/16-2 1/2	40-64
32	1 1/2-2 3/8	35-60	1 13/16-2 3/4	46-70
36	1 3/4-2 1/2	44-64	2 1/4-3	57-76
40	2-2 3/4	51-70	2 5/8-3 1/4	67-83
44	2 3/4-3 1/4	64-76	2 9/16-3 1/2	65-89
48	2 13/16-3 1/2	70-89	2 13/16-3 3/4	72-95
52	2 13/16-3 3/4	72-95	3 1/16-4	78-101
56	3 1/16-4	78-101	3 5/16-4 1/4	84-108
60	/	/	3 9/16-4 1/2	91-114
64	/	/	4 1/8-5	105-127
72	/	/	4 5/8-5 1/2	117-140
80	/	/	5 1/8-6	105-152
88	/	/	5 9/16-6 1/2	114-165
96	/	/	6 1/8-7	156-178
104	/	/	7-8	177-203
116	/	/	8-9	203-228
120	/	/	9-10	228-254

Material	Band	Housing	Screw	Suggested Install Torque
W1	Zinc Plated Steel	Zinc Plated Steel	Zinc Plated Steel	Band(8mm):2.1Nm Band(12.7mm):3.8Nm
W2	AISI SS201/SS301	AISI SS201/SS301	Zinc Plated Steel	Band(8mm):2.1Nm Band(12.7mm):6Nm
W2B	AISI SS201	Zinc Plated Steel	Zinc Plated Steel	
W4	AISI SS201/SS301/SS304	AISI SS201/SS301/SS304	AISI SS201/SS301/SS304	
W5	AISI SS316	AISI SS316	AISI SS316	