



GITA MARKETING CO.

TECHNICAL DATA SHEET

PNEUMATIC COMPONENTS

PU Tubing · PA Tubing · Coiled Hose · PVC Air Hose — Technical Data Sheet

Gita Marketing Co.

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1. Product Overview

Gita Marketing Co. supplies a range of pneumatic tubing, coiled hoses, and accessories for compressed air, vacuum, and fluid control applications across industrial automation, machine pneumatics, wind energy infusion circuits, and general factory services. Products in this range include polyurethane (PU) tubing, polyamide (PA / Nylon) tubing, PU coiled retractable hose, and PVC compressed air hose with associated fittings and accessories.

2. PU Tubing — Polyurethane

Polyurethane tubing offers exceptional flexibility, high abrasion resistance, and good kink resistance, making it the preferred choice for robotic and automated pick-and-place systems, pneumatic cylinders, and vacuum infusion circuits where repeated flexing occurs.

Material	Thermoplastic polyurethane — Shore A 93–98
Colour Options	Clear · Blue · Red · Yellow · Black · Green (application coding)
Temperature	–40°C to +60°C continuous service
Working Pressure	Up to 12 bar @ 20°C (size and wall dependent)
Bend Radius	Excellent — typically 3–5x OD minimum bend radius
Chemical Res.	Good resistance to oils, greases, and dilute chemicals; limited resistance to strong acids/alkalis

OD (mm)	ID (mm)	Wall (mm)	WP @ 20°C (bar)	Min Bend R (mm)
4	2.5	0.75	10	13
6	4.0	1.00	10	20
8	5.0	1.50	10	25
10	6.5	1.75	10	30
12	8.0	2.00	10	36
16	12.0	2.00	8	48

3. PA / Nylon Tubing — Polyamide

Polyamide (PA / Nylon) tubing is semi-rigid and dimensionally stable, suited to higher-pressure pneumatic circuits, fuel lines, and applications requiring chemical resistance beyond the capability of PU. PA11 and PA12 are both available.

Materials	PA12 (Nylon 12) · PA11 (Nylon 11) — specify on order
Temperature PA12	–40°C to +100°C continuous
Temperature PA11	–40°C to +120°C continuous
Working Pressure	Up to 20 bar @ 20°C (PA tubing — size dependent)
Colour Options	Natural (translucent) · Black · Blue · Red — per order





Chemical Res.	Excellent resistance to oils, fuels, hydraulic fluids, and solvents; limited resistance to strong acids
Applications	High-pressure pneumatic circuits · Fuel and brake lines · Chemical fluid handling · Instrumentation

4. PU Coiled Hose

Self-retracting coiled polyurethane hose for workshop compressed air tools, portable compressors, spray equipment, and blow guns. Extends fully under working pressure and retracts automatically when released, eliminating trip hazards and keeping the work area clear.

Material	Polyurethane — high abrasion resistance
Working Pressure	Up to 12 bar @ 20°C
Temperature	-40°C to +60°C
Extended Lengths	5 m · 7.5 m · 10 m standard
Retracted Length	Approximately 20% of extended length
End Fittings	BSP (M) · NPT · Push-in — specify on order
Applications	Workshop air tools · Spray guns · Blow guns · Tyre inflation

5. PVC Air Hose & Accessories

General-purpose reinforced PVC hose for compressed air supply, water transfer, and light fluid service. Available in braided and spiral-wound constructions for different pressure requirements.

Inner Tube	PVC — smooth bore
Reinforcement	Synthetic braid (lower pressure) · Steel wire spiral (higher pressure)
WP — Braid	Up to 15 bar
WP — Spiral	Up to 20 bar
ID Range	6 mm to 25 mm
Temperature	-5°C to +60°C
Accessories	BSP fittings · Push-to-connect · Quick-release airline couplings · Camlock couplings · Ball valves — all stocked

6. Fitting & Connection Types

All tubing and hose in this range is compatible with the following connection systems:

- Push-in / push-to-connect fittings — for PU and PA tubing (most common in automation)
- Compression fittings — for PA tubing in high-pressure or vibration-prone circuits
- Barbed fittings with hose clips — for PVC air hose



- BSP and NPT threaded adaptors for equipment connection
- Camlock couplings for rapid connection/disconnection on larger bore air lines

7. Ordering & Supply

PU Tubing	Per metre or per reel (standard 25 m, 50 m, 100 m)
PA Tubing	Per metre or per reel — PA11 and PA12 available
Coiled Hose	5 m · 7.5 m · 10 m standard packs
PVC Air Hose	Per metre · 25 m and 50 m rolls · Custom lengths
Fittings	Full range — BSP, NPT, push-in, Camlock — specify thread and material
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