



**GITA MARKETING CO.**

TECHNICAL DATA SHEET

# TDS PU COILED HOSE

Polyurethane Self-Retracting Coiled Hose | Pneumatic Tools

## **Gita Marketing Co.**

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## PU COILED HOSE

### Technical Data Sheet -- Polyurethane Self-Retracting Coiled Hose

Polyurethane (PU) coiled hoses are self-retracting flexible hoses designed for pneumatic tool connections, workshop air supply, and portable compressed air applications. The coiled form extends under pressure and retracts automatically when released, keeping the work area tidy and eliminating trailing hoses. The polyurethane material provides excellent abrasion and kink resistance combined with a wide temperature range. Supplied by Gita Marketing Co. as part of its pneumatic components range.

### Construction

<b>Material</b>	Thermoplastic polyurethane (PU)
<b>Coil Form</b>	Pre-formed self-retracting coil -- extends under air pressure, retracts on release
<b>End Fittings</b>	1/4" BSP male (standard)   Other fittings on request
<b>Colours</b>	Blue (standard)   Red   Black   Yellow
<b>Straight Leads</b>	Both ends supplied with straight lead sections for fitting connection

### Standard Sizes & Extended Lengths

ID (mm)	OD (mm)	Coiled Length	Extended Length	W.P. (bar)	Burst (bar)
5	8	2.5 m	7.5 m	12	48
5	8	5 m	15 m	12	48
6.5	10	5 m	15 m	12	48
6.5	10	7.5 m	22.5 m	12	48
8	12	5 m	15 m	10	40
8	12	10 m	30 m	10	40

### Technical Specifications

<b>Temperature Range</b>	-40 degrees C to +60 degrees C continuous
<b>Working Pressure</b>	Up to 12 bar at 20 degrees C
<b>Burst Pressure</b>	Minimum 4 x working pressure
<b>Retraction</b>	Self-retracting by coil memory -- no spring mechanism required
<b>Abrasion</b>	Excellent -- polyurethane resists workshop floor abrasion
<b>Kink Resistance</b>	Good -- coil geometry reduces kinking during extension
<b>Standard Lengths</b>	5 m and 7.5 m coiled (15 m and 22.5 m extended) -- standard stock
<b>Custom Lengths</b>	Other coiled and extended lengths available on request





## Applications

- Pneumatic tool connections -- impact wrenches, grinders, drills, staplers
- Workshop and garage compressed air supply
- Spray painting equipment connections
- Assembly line air tool supply
- Portable compressor outlet hoses
- Vehicle workshop tyre inflation and blow-off guns

## Fluid Compatibility

<b>Suitable</b>	Compressed air (dry and oil-lubricated)   Nitrogen   Inert gases
<b>Not Suitable</b>	Steam   Water above 60 degrees C   Aromatic solvents   Concentrated acids or alkalis

### Important

**Do not exceed the rated working pressure. Coiled hoses are not suitable for suction service. Inspect regularly for kinks, cuts, and fitting condition. Replace if the hose no longer retracts fully -- a hose with degraded coil memory has exceeded its service life.**

## Ordering & Supply

<b>Distributor</b>	Gita Marketing Co., Bangalore
<b>Standard Stock</b>	5 m and 7.5 m coiled lengths in 6.5 mm and 8 mm ID
<b>Custom</b>	Other lengths, IDs, colours, and end fittings on request
<b>Contact</b>	+91-89040-35515   info@gitamarketing.com
<b>Website</b>	www.gitamarketing.com

Sources: [www.gitamarketing.com](http://www.gitamarketing.com)