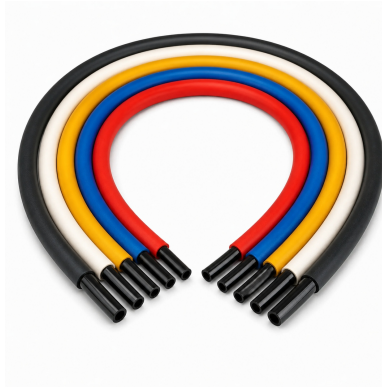


Double Layer Anti-Spark PU Tube for Welding



Product Overview

This double-layer anti-spark PU tube combines a flexible polyurethane inner tube with a protective outer layer for compressed-air routing near robotic welding, spot-welding, and metal-processing equipment.

Key Features

- Double-layer structure protects the flexible inner air tube.
- Outer layer helps reduce damage from sparks and hot spatter.
- Metric and inch sizes for industrial pneumatic systems.
- Minimum bend radii from 15 mm to 45 mm by model.
- Compatible with correctly sized pneumatic push-in fittings.
- Designed for welding robots and metal-processing equipment.

Technical Specifications

Parameter	Specification
Product Name	Double Layer Anti-Spark PU Pneumatic Tube
Product Series	PUH Series
Product Structure	Double-layer polyurethane tubing
Inner Tube Material	Polyurethane
Outer Layer	Flame-retardant protective material
Working Medium	Compressed air and compatible non-corrosive gases
Working Temperature	-20 degrees C to +80 degrees C
Continuous Temperature	Recommended -10 degrees C to +60 degrees C
Max. Working Pressure	1.0 MPa / 10 bar at 20 degrees C
Min. Burst Pressure	3.0 MPa / 30 bar at 20 degrees C
Standard Roll Length	100 m
Main Function	Compressed-air transmission with protection from sparks and hot spatter
Typical Applications	Welding robots, automotive welding lines, tools, panels, and automation
Fitting Compatibility	Push-in fittings selected according to tube outside diameter
Selection Checks	Confirm size, temperature, pressure, bend radius, fluid, color, roll length, and fitting compatibility

Model Selection and Dimensions

Model	O.D.	I.D.	Roll Length	Max. Working Pressure at 20 C	Min. Burst Pressure at 20 C	Min. Bend Radius
PUH0604	6 mm	4 mm	100 m	10 bar	30 bar	15 mm
PUH0805	8 mm	5 mm	100 m	10 bar	30 bar	20 mm
PUH1065	10 mm	6.5 mm	100 m	10 bar	30 bar	30 mm
PUH1280	12 mm	8 mm	100 m	10 bar	30 bar	45 mm
PUH1/4	6.35 mm	4.23 mm	100 m	10 bar	30 bar	20 mm
PUH3/8	9.52 mm	6.35 mm	100 m	10 bar	30 bar	30 mm

*Pressure notice: Maximum operating pressure decreases as tube temperature increases.
The listed 10 bar working pressure applies at approximately 20 degrees C.*

Applications

- Robotic and spot-welding systems for clamps, valves, and cylinders.
- Automotive body welding lines exposed to sparks and hot particles.
- Metal fabrication, cutting, forming, and processing machinery.
- Pneumatic panels and production equipment near welding processes.

Selection Guidance

Confirm outside diameter, inside diameter, pressure, operating temperature, minimum bend radius, roll length, fitting size, welding environment, and expected quantity before ordering.

Installation Guidance

- Cut the tube end cleanly and squarely before insertion.
- Use a fitting matched to tube O.D., material, and working pressure.
- Route above the listed bend radius and avoid kinks or abrasion.

Safety Notes

- The outer layer improves protection but is not completely spark-proof.
- Avoid direct flame and prolonged contact with molten metal.
- Reduce system pressure at elevated operating temperatures.

Contact Information

Wenzhou Hongmi Pneumatic Co., Ltd.
Address: Room 501, Xingnan Village, Hongqiao Town, Yueqing City, Zhejiang, China
Email: vivilian@homipneu.com
Phone / WhatsApp: +86 136 0580 6063
Website: <https://homipneu.com>