

Reinforced Polyurethane Air Hose

UBE series

PU braided hose is a three-layer polyurethane pneumatic hose with a fiber reinforcement layer between the inner and outer PU layers. This structure supports higher working-pressure conditions and helps limit diameter expansion under pressure.

This structure maintains a stable hose profile when pressure varies, reducing diameter changes or localized deformation.

The inner and outer layers are made of PU Ether, providing hydrolysis resistance and good elasticity. Supplied without fittings, the hose can be cut, routed, and installed according to the actual system layout.

Key Features

- Three-layer polyurethane braided pneumatic hose
- Fiber reinforcement layer for higher working-pressure applications
- Stable hose shape under pressure variations
- Industrial compressed-air piping and air-supply applications

Applications

- Pneumatic lines in industrial machinery and equipment
- Automation equipment and production-line air supply and distribution
- Pneumatic systems requiring higher working-pressure conditions
- On-site pneumatic piping requiring cutting and installation according to the actual system layout

Regulatory Compliance

- RoHS compliant
- REACH compliant

Technical Specifications

Material	PU Ether with fiber reinforcement layer
Operating Temp. Range	-40°C to 65°C (-40°F to 150°F)
Safety Factor	3：1

Specifications

- Metric Sizes - mm

Model Number	Tube ID	Tube OD	Wall Thickness	Weight	Max. Working Pressure 23°C (73°F)	Packing Length	Color		
+Color	mm	mm	mm	g /m	bar	m	BU	R	OR
UBE651025M_	6.5	10.0	1.75	52	20	25	■	■	■
UBE651050M_						50			
UBE6510100M_						100			
UBE801225M_	8.0	12.0	2.00	72	20	25	■	■	■
UBE801250M_						50			
UBE8012100M_						100			
UBE8512525M_	8.5	12.5	2.00	76	20	25	■	■	■
UBE8512550M_						50			
UBE85125100M_						100			
UBE101425M_	10.0	14.0	2.00	87	20	25	■	■	■
UBE101450M_						50			
UBE1014100M_						100			
UBE111625M_	11.0	16.0	2.50	122	20	25	■	■	■
UBE111650M_						50			
UBE1116100M_						100			

- Imperial Sizes - inch

Model Number	Tube ID	Tube OD	Wall Thickness	Weight	Max. Working Pressure 73°F (23°C)	Packing Length	Color			
+Color	inch	inch	inch	lbs/ft	psi	ft	T	TBU	TY	R
UBE14375100FT_	1/4	0.375	0.06	0.030	300	100	□	□	□	■
UBE14375250FT_						250				
UBE14375500FT_						500				
UBE516473100FT_	5/16	0.473	0.08	0.050	300	100	□	□	□	■
UBE516473250FT_						250				
UBE516473500FT_						500				
UBE38562100FT_	3/8	0.562	0.09	0.069	300	100	□	□	□	■
UBE38562250FT_						250				
UBE38562500FT_						500				
UBE12700100FT_	1/2	0.700	0.10	0.094	300	100	□	□	□	■
UBE12700250FT_						250				
UBE12700500FT_						500				

Selected hardness levels, sizes, and colors may be available upon request. Please contact SHPI for availability.

Ordering Information

- Metric Sizes - mm

UBE 65 10 25M BU

Material	
UBE	Polyurethane Braided- Ether

Inside Diameter	
65	6.5 mm
80	8.0 mm
85	8.5 mm
10	10.0 mm
11	11.0 mm

Outside Diameter	
10	10.0 mm
12	12.0 mm
125	12.5 mm
14	14.0 mm
16	16.0 mm

Package Length	
25M	25 Meters
50M	50 Meters
100M	100 Meters

Color Code	
BU	Blue
R	Red
OR	Orange

- Imperial Sizes - inch

UBE 14 375 100FT T

Material	
UBE	Polyurethane Braided- Ether

Inside Diameter	
14	1/4"
516	5/16"
38	3/8"
12	1/2"

Outside Diameter	
375	0.375"
473	0.473"
562	0.562"
700	0.700"

Package Length	
100FT	100 Feet
250FT	250 Feet
500FT	500 Feet

Color Code	
T	Transparent
TBU	Transparent Blue
TY	Transparent Yellow
R	Red

Contact Info

SHAN HUA PLASTIC INDUSTRIAL CO., LTD.
No. 20, Zhongshan 7th St., Guiren Dist., Tainan City 711012, Taiwan

Phone
+886-6-2304567

Fax
+886-6-2307799

Email
info@shanhua.com.tw