

Reinforced Polyurethane Air Hose Assembly

UBEA series

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

The product is assembled with fittings before shipment, reducing the need for on-site fitting assembly.

Key Features

- Three-layer polyurethane braided pneumatic hose with pre-assembled fittings
- 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

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	Max. Working Pressure 23℃ (73℉)	Packing Length	Fittings	Color		
+Color	mm	bar	m		BU	R	OR
UBSA6510M_	6.5	20	10	1/4PT	■	■	■
UBSA6512M_			12				
UBSA6515M_			15				
UBSA6520M_			20				
UBSA6525M_			25				
UBSA8010M_	8.0	20	10	1/4PT、3/8PT	■	■	■
UBSA8012M_			12				
UBSA8015M_			15				
UBSA8020M_			20				
UBSA8025M_			25				
UBSA8510M_	8.5	20	10	1/4PT、3/8PT	■	■	■
UBSA8512M_			12				
UBSA8515M_			15				
UBSA8520M_			20				
UBSA8525M_			25				
UBSA1010M_	10.0	20	10	3/8PT	■	■	■
UBSA1012M_			12				
UBSA1015M_			15				
UBSA1020M_			20				
UBSA1110M_	11.0	20	10	3/8PT、1/2PT	■	■	■
UBSA1112M_			12				
UBSA1115M_			15				
UBSA1120M_			20				

- Imperial Sizes - inch

Model Number	Tube ID	Max. Working Pressure 73℉ (23℃)	Packing Length	Fittings	Color			
+Color	inch	psi	ft		T	TBU	TBY	R
UBSA1425FT_	1/4	300	25	1/4NPT	□	□	□	■
UBSA1450FT_			50					
UBSA14100FT_			100					
UBSA51625FT_	5/16	300	25	1/4NPT、3/8NPT	□	□	□	■
UBSA51650FT_			50					
UBSA516100FT_			100					
UBSA3825FT_	3/8	300	25	1/4NPT、3/8NPT	□	□	□	■
UBSA3850FT_			50					
UBSA38100FT_			100					
UBSA1225FT_	1/2	300	25	3/8NPT、1/2NPT	□	□	□	■
UBSA1250FT_			50					
UBSA12100FT_			100					

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

Ordering Information

- Metric Sizes - mm

UBSA 65 10M BU

Material	
UBSA	Polyurethane Braided- Ester Assemblies

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

Package Length	
10M	10 Meters
12M	12 Meters
15M	15 Meters
20M	20 Meters
25M	25 Meters

Color Code	
BU	Blue
R	Red
OR	Orange

- Imperial Sizes - inch

UBSA 14 25FT T

Material	
UBSA	Polyurethane Braided- Ester Assemblies

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

Package Length	
25FT	25 Feet
50FT	50 Feet
100FT	100 Feet

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

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