F.U.NU.KX.SR Series

How to order

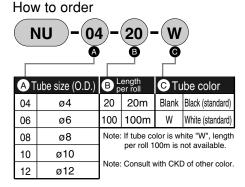
Urethane tube

RoHS

Realizing magnified bore size and strength increases but still same outer diameter due to new manufacturing process. Meeting needs of large flow rate. Also economical.

Common specifications

•	
Descriptions	Descriptions
Working fluid	Air
Ambient temperature range °C	0 to 60
Burst pressure MPa	4 (20°C)
Working pressure MPa	1.0 (20°C)
Use vacuum kPa	-100



Clean room specifications (catalog No. CB-033SA)

Dust generation preventing structure for use in cleanrooms

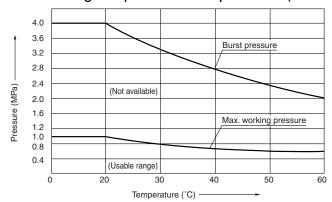
NU------P80

Specifications

Descriptions	NU-04	NU-06	NU-08	NU-10	NU-12
$O.D. \times I.D.mm \times mm$	4×2.5	6×4.5	8×6	10×7.5	12×9
Burst pressure MPa			4 to 2.4		
Ambient temperature range °C		0 to	60 (no freezi	ng)	
Durometer hardness (JIS K 7215)			HDD 64		
Min. bending radius (JIS B 8381) mm	8	16	24	30	36
Min. installation radius mm	12	26	36	42	52
Outer diameter precision mm		+0.1 -0.1		+0.1 -	-0.15
Weight g/m	10	15	28	42	62
Tube color	Tube color Black, white				
Length per roll m	roll m 20/100 (only black)				

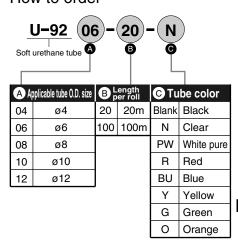
Note: Refer to Intro 63 for relation of tube length and effective sectional area.

Relevant of working temperature and pressure (use / burst)



Soft urethane tube AOI Co., Ltd.

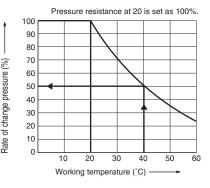
How to order



Clean room specifications (catalog No. CB-033SA)

P80

U-92-----



Specifications

This table indicates the value at 20°C.

Descriptions	U-9204	U-9206	U-9208	U-9210	U-9212
Working fluid	Compressed air				
O.D. x I.D. mm×mm	4×2	6×3.7	8×5	10×6.5	12×8
Burst pressure MPa	4.1	2.9	2.8	2.6	2.6
Working pressure MPa	1.3	0.9	0.9	0.8	0.8
Durometer hardness JIS K7215			HDA 92		
Min. bending radius mm	4	10	11	13	16.5
Min. installation radius mm	8	17	25	30	36
Standard color	Black, clear, red, blue, yellow, green, orange, white pure				te pure
Standard length per roll m	m 20/100				

Relevant of working temperature and working pressure

Working pressure = Vacuum breaker pressure × variation rate × 1/3 at 20°C

When the temperature rises, the constant pressure gradually drops. Special care must be taken for temperature in use.

Example) U-9208, working temperature 40°C Working pressure = Vacuum breaker pressure x variation rate x 1/3

=
$$2.0 \times \frac{50}{100} \times 1/3$$

= 0.33 MPa

Desiccant type dryer

High polyme membrane type dryer Air filter

Auto, drain F.R.L. (Module unit)

F.R.L. Compact F.R.

Precise regulator F.R.L. (Related products

Clean F.R. Flectro pneumatic regulator

Air booster

Speed control valve

Silencer

Vacuum filter

Magnetic spring buffer

Mechanica

Electronic pressure SW

Air sensor

flow senso

flow controlle

Flow sensor for water Total air

(Gamma) Ending

F.U.NU.KX.SR Series

Desiccant type dryer High polyme type dryer

Air filter

Auto. drain / others F.R.L. (Module unit

F.R.L.

Compact F.R. Precise regulator

F.R.L. (Related products Clean F.R.

pneumatic regulator Air booster

Speed control valve

Silence

Check valve / others

Joint / tube Vacuum filter

Magnetic spring buffer Mechanical

Electronic pressure SW

Air sensor

flow sensor

Small flow controlle

Flow sensor for water Total air

Total air (Gamma)

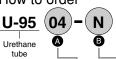
Ending

Urethane tube

AOI Co., Ltd.

Since urethane tube has high mechanical strength, the tube strongly endures external force, and also has flexibility. This is widely used in general pneumatic lines, etc.

How to order



	A Appli	cable tube O.D. size	₿ Tuk	e color
	32	ø3.2	Blank	Black
	04 ø4 06 ø6 08 ø8 10 ø10		N	Clear
	12	ø12		

Note: Indicate tube color in the remarks on the order slip.

Clean room specifications (catalog No. CB-033SA)

P80

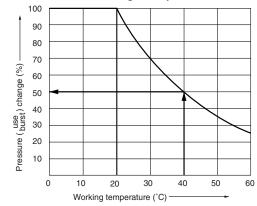
Specifications

This table indicates the value at 20°C

op comoditions						a.ao a. 20 o.
Descriptions	U-9532	U-9504	U-9506	U-9508	U-9510	U-9512
Working fluid	Compressed air					
O.D. \times I.D. mm \times mm	3.2×1.8	4×2	6×4	8×5	10×6.5	12×8
Ambient temperature range °C			0 to 60 (no	o freezing)		
Burst pressure MPa	6.1	5.2	3.2	3.6	3.4	3.2
Max. working pressure MPa	2.0	1.7	1.0	1.2	1.1	1.0
Durometer hardness JIS K 7215			HDA 97			
Min. bending radius (JIS B 8381) mm	4	5	13	14	16	20
Min. installation radius mm	7	10	20	30	40	50
Standard color	Clear and black					
Standard length per roll m	20 20/100			2	:0	

^{*} IF U-9506 or less, tolerance of outer diameter may vary within $^{+0.1}_{-0.15}$ mm, U-9508 over, may vary within $^{+0.1}_{-0.2}$ mm.

Relevant of working temperature and pressure (use / burst)



Working pressure =Vacuum breaker pressure × variation rate × 1/3 at 20°C When the temperature rises, the constant pressure gradually drops. Special care must be taken for temperature in use.

Example) U-9506, working temperature 40°C Working pressure = Vacuum breaker pressure × variation rate × 1/3 $=3.2 \times \frac{50}{100} \times 1/3$ =0.53MPa

Coiling tube AOI Co., Ltd.

A coiling tube is a coil-like manufactured extensible tube. Differing from the conventional way, a joint is easily installed, since a straight section is provided with the specified length to the extensible direction from end of the coil, and the coil shrinks and extends very smoothly. Durability of coil end is also excellent.

How to order

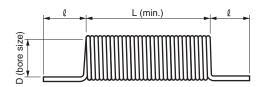


100	
A O.D	. size
06	ø6
08	ø8
10	ø10
12	ø12

Specifications

- p							
Descriptions	KX-1206	KX-1208	KX-1210	KX-1212			
O.D. \times I.D. mm \times mm	6×4	8×6	10×7.5	12×9.2			
Ambient temperature range °C		-10 to 60 (no freezing)					
Use extension m	2.5						
D mm	50	7	0	90			
L mm	250	240	290	275			
l		100					
Color		Orange					

- * Tolerance of outer diameter may vary within $^{+0.07}_{-0.1}$ mm. * Tubing is made of hard nylon. Consult with CKD for urethane tubing.



F.U.NU.KX.SR Series

How to order

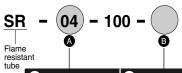
AOI Co., Ltd.

Flame resistant tube

Flame retardant material used epoch-making tube. If welding spatter, etc. contact, the tube is not burning.

(Equivalent to UL standards 94V-0: Self extinguish)

How to order



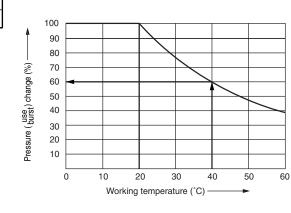
A Applicable tube O.D. size		B Tube color		
04	ø4	Blank	Black	
06	ø6	R	Red	
80	ø8	BU	Blue	
10	ø10	G	Green	
12	ø12		remarks on	
		the ord	der slin	

Specifications

Descriptions	SR-04	SR-06	SR-08	SR-10	SR-12
O.D. \times I.D. mm \times mm	4×2	6×3.8	8×5.5	10×7	12×8.5
Ambient temperature range °C	0 to 60 (no freezing)				
Burst pressure MPa	4.8	4.3	3.4	3.3	3.3
Max. working pressure MPa	1.6	1.4	1.1	1.1	1.1
Min. bending radius mm	15	22	30	40	50
Standard color	Black, red, blue, green				
Standard length per roll m	100				

This table indicates the value at 20°C.

Relevant of working temperature and pressure (use / burst)



Working pressure = Vacuum breaker pressure \times variation rate \times 1/3 at 20°C When the temperature rises, the

constant pressure gradually drops. Special care must be taken for temperature in use.

Example)

SR-06, working temperature 40°C Working pressure = Vacuum breaker pressure \times variation rate \times 1/3 =4.3 \times $\frac{60}{100}$ \times 1/3 =0.86MPa

Refrigerating type dryer

Desiccant type dryer

High polymer membrane type dryer

Auto. drain / others F.R.L. (Module unit)

F.R.L. (Separate)

Precise regulator F.R.L. (Related

F.R.L. (Related products) Clean F.R.

Electro pneumatic regulator Air booster

Speed control valve

Silencer

Check valve / others

Joint / tube
Vacuum filter

Vacuum regulator Suction plate

Magnetic spring buffer

spring buffer

Mechanical pressure SW

Electronic pressure SW

Contact / close contact conf. SW

Air sensor

Small flow sensor

Small flow controller

Flow sensor for air

Flow sensor for water Total air

Total air system Total air system (Gamma)

Ending

ube oint / tube