

F.U.NU.KX.SR Series

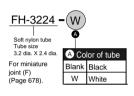
Wide port size available according to purposes/applications. High reliable piping tubes

• O.D.: 3. 2 / 4 / 6 / 8 / 10 / 12 / 15mm

Soft nylon tube

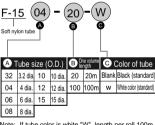
Soft nylon tube is very flexible comparing to conventional nylon tube, and optimum for piping in the limited space. This tube also has sufficient characteristics such as cold resistance, weatherability, oil resistance and chemical resistance, etc.

How to order



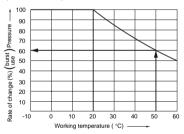
Specifications This table shows the value at 20 °C.							e at 20 °C.		
Descriptions FH-3224 F-1532 F-1504 F-1506 F-1508					F-1508	F-1510	F -1512	F-1515	
Working fluid				Compre	ssed air				
O.D. X I.D. mm X mm	3.2 X 2.4	3.2 X 2.0	4 X 2.5	6 X 4	8 X 5.7	10 X 7.2	12 X 8.9	15 X 11.5	
Ambient temperature range °C	-10 to 60								
Burst pressure MPa		5.39			3.9	3.	43	2.94	
Max. working pressure MPa		1.76		1.67	1.27	1.	18	1	
Min. bending radius mm	A	pprox. 1	0	Approx. 20	Approx. 30	Approx. 40	Approx. 55	Approx. 80	
Standard color	White / black		White (20	White (20m only) / black / red /			White / black		
Standard color			Blue / ye	Blue / yellow / green / orange					
Standard-volume length m	20 20 / 100				20 (white c	only) / 100 (black only)		

*External dimensions tolerance may vary within \pm 0.1mm.



- Note: If tube color is white "W", length per roll 100m is not available.
- Note: Indicate tube color other than above in remarks on the order slip.
- Note: Use FH-3224 for miniature joint. F-1532 can not be used.

Relations between working temperature and pressure (use / burst)



Working pressure = burst pressure X $\frac{1}{3}$

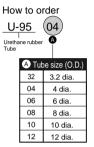
(E.g.) For tube U-1504(4 dia. X 2.5 dia.), if temperature is 50 °C, working pressure is 60% of working pressure of 20 °C.

1.76 X
$$\frac{60}{100}$$
 ≒ 1.06 (MPa)

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Urethane tube

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

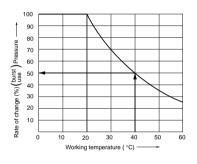


Note: Indicate tube color in remarks on the order slip.

Specifications				This table	shows the va	alue at 20 °C
Descriptions	U-9532	U-9504	U-9506	U-9508	U-9510	U-9512
Working fluid			Compre	ssed air		
O.D. X I.D. mm X mm	3.2 X 1.8	4 X 2	6 X 4	8 X 5	10 X 6.5	12 X 8
Ambient temperature range °C			0 tc	60		
Burst pressure MPa	3.14	3.63	2.	45	2.3	35
Max. working pressure MPa	1	1.18	0.	81	0.1	78
Min. bending radius mm	7	10	20	30	40	50
Standard color	Transparent / black					
Standard-volume length m	20	20 / 40 20				

*If U-9506 or less, tolerance of outer diameter may vary within +0.1 mm, while if U-9508 over, may vary within +0.1 mm.

Relations between working temperature and pressure (use / burst)



Working pressure = burst pressure X $\frac{1}{3}$

(E.g.) For tube U-9504, if temperature is 40 °C, working pressure is 50% of working pressure of 20 °C.

 $1.18 \times \frac{50}{100} \rightleftharpoons 0.59 \text{ (MPa)}$

Check valv others Joint / tube

Silence

Vacuum

Vacuum R

Vacuum generator

Vacuum auxiliary / pad

Mechanical pressure SW Electronic

pressure SW ronic pres.

) / close t conf.

essure SW r coolant
ow sensor or air
otal air ystem

Water

cooling Flow senso for water

Joint / tube Tube

Urethane tube

Realizing magnified inner diameter and strength increase 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		

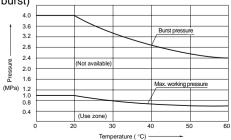
How to order

1	NU - 04 - 20 - W							
	A T	ube size (O.D.)	₿Ļ	ength er roll		olor of tube		
	04	4 dia.	20	20m	Blank	Black (standard)		
	06	6 dia.	100	100m	W	White color (standard)		
	08 8 dia.			For "W" white color	Note: Consult with CKD on othe			
	10	10 dia.		type, length		tube color.		
	12	12 dia.		100m is not selected.				

Specifications

Opeemean	0113							
Descriptions		NU-04	NU-06	NU-08	NU-10	NU-12		
O.D. X I.D. mn	n X mm	4 X 2.5	6 X 4.5	8 X 6	10 X 7.5	12 X 9		
Burst pressure	MPa			4 to 2.4				
Ambient temperature rar	nge °C			0 to 60				
Min. bending radius	mm	8	15	24	30	36		
O.D. accuracy	mm		+0.1 -0.1 +0.1 -0.15					
Mass	g/m	10	15	28	42	62		
Color of tube		Black / white						
Volume length	m		20 / 100 (black only)					

Relations between working temperature and pressure (use / burst)



Refricerating type dryer Desiccant type dryer

High polymer mernbrane dryer

Automatic drain other

F.R.L (Module) F.R.L

(Separate) Small F.R.

Precise

Electro pneumatic R

Auxiliary Flow control valve

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Coiling tube

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



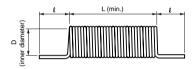
er diameter
6 dia.
8 dia.
10 dia.
12 dia.

Specifications

Descriptions	KX-1206	KX-1208	KX-1210	KX-1212			
O.D. X I.D. mm X mm	6 X 4	8 X 6	10 X 7.5	12 X 9.2			
Ambient temperature range °C		-10 to 60					
Use extension m	m Approximate 2.5						
D mm	50	7	90				
L mm	250	240	290	275			
l	100						
Color	Orange						

*Each tube length 7.5m *Tolerance of outer diameter may vary within +0.07 mm.

*Tube material is hard nylon. Please consult with CKD on urethane rubber.

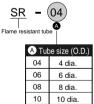


Flame resistant tube

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

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

How to order



12

12 dia.

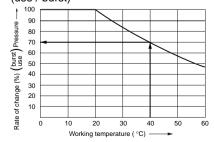
Note: Indicate color of tube in the remarks on the order slip.

Specifications

opeenications								
Descriptions	SR-04	SR-06	SR-08	SR-10	SR-12			
O.D. X I.D. mm X mm	4 X 2.3	6 X 3.8	8 X 5.5	10 X 7	12 X 8.5			
Ambient temperature range °C	C 0 to 60							
Burst pressure MPa	5.8	38	5.39	4.9				
Max. working pressure MPa	1.9	96	1.76	1.57				
Min. bending radius mm	10	15	20	25	30			
Standard color	Black / red / blue / green							
Standard-volume length m	100							

This table shows the value at 20 °C.

Relations between working temperature and pressure (use / burst)



Working pressure = burst pressure X $\frac{1}{3}$

(E.g.) For tube SR-04, if temperature is 40 °C, working pressure is 70% of working pressure of 20 °C.