

Multi-colored Ribbon Tube, Soft Multi-colored Ribbon Tube

Multi-core Polyurethane Tube for General Pneumatic Piping

⚠ Safety instructions for this product

Safety instructions, Common safety instructions for each product category and Detailed safety instructions for each product are in the end of this catalog and our website.

Model Designation (Example)



(1) Tube type

Code	UQ	UCQ
Tube type	Multi-colored Ribbon Tube	Soft Multi-colored Ribbon Tube

(2) Tube dia. (O.D.×I.D.)

Code	03*	04	06	08	10	12
O.D. (mm)	ø3	ø4	ø6	ø8	ø10	ø12
I.D. (mm)	ø2	ø2.5	ø4	ø5	ø6.5	ø8

*Tube O.D. 3 mm is available only for UQ type.

(3) No. of cores

Code	2F	3F*	4F*	5F*	6F*
No. of cores	2 cores	3 cores	4 cores	5 cores	6 cores

*3 to 6 cores with same tube sizes are available as a make-to-order product.

(4) Tube length

Code	20	100
Length (m)	20	100

*Other length is available as a make-to-order product. Refer to the right table.

Tube dia. and max. length of each tube core (make-to-order product)
(Unit: m)

Tube O.D. (mm)	ø3	ø4	ø6	ø8	ø10	ø12
No. of cores						
2	100	100	100	100	100	100
3	100	100	100	100	80	65
4	100	100	100	75	60	50
5	100	100	80	60	50	40
6	100	100	65	50	40	30

(5), (6), (7), (8), (9), (10) Tube color

Code	B	R	O	YB	Y	G	BU	CB	C	W
Tube color	Black	Red	Orange	Ocher	Yellow	Green	Blue	Clear blue	Transparent	Milky white

Code	CBL	CO	CY	CG	CB	C
Tube color	Clear black	Clear orange	Clear yellow	Clear green	Clear blue	Transparent

Tube color 1 Tube color 2

*Color combinations other than black are available as make-to-order products.

Characteristics

Flexible multi-core tube

Flexible polyurethane tube (UB) and Ultra Soft Polyurethane Tube (UC) are used.

For the black 2 cores tube, the discernment line is printed on one tube.

It helps to prevent a piping mistake.

As make-to-order production, No. of cores, tube arrangements and colors are freely arranged.

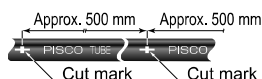
No. of cores: 3 to 6 cores, Configuration: flat or pyramid, Color: 10 color selection (UQ) and 6 color selection (UCQ)

Best suitable for air supply to multiple drives.

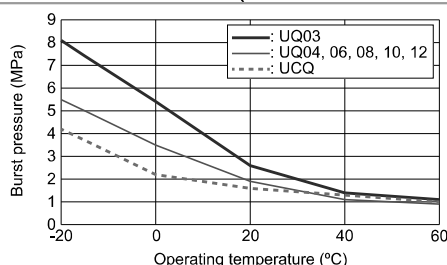
The cut marks at 500 mm interval are printed on the tube

It is useful to cut tubing.

*The marks are just as a guide and the accuracy is not guaranteed.



Burst Pressure Curve (Reference Value)



Specifications of UQ

Model code		UQ03	UQ04	UQ06	UQ08	UQ10	UQ12
Size	O.D.×I.D. (mm)	3×2	4×2.5	6×4	8×5	10×6.5	12×8
	Tube length (m)	20・100					
Tube color: 10 colors		Black (B), Red (R), Orange (O), Ocher (YB), Yellow (Y), Green (G), Blue (BU), Clear blue (CB), Transparent (C), Milky white (W)					
Specifications	Fluid medium	Air, Water (Conditional *1)					
	Max. operating pressure (MPa)	1.0 (65%RH at 20°C *2)					
	Max. vacuum (kPa)	-100					
	Operating temp. range (°C)	Air: -20 to 60 (No freezing), Water: -15 to 60 (No freezing)					

Specifications of UCQ

Model code		UCQ04	UCQ06	UCQ08	UCQ10	UCQ12
Size	O.D.×I.D. (mm)	4×2.5	6×4	8×5	10×6.5	12×8
	Tube length (m)	20 · 100				
Tube color: 6 colors		Clear black (CBL), Clear orange (CO), Clear yellow (CY), Clear green (CG), Clear blue (CB), Transparent (C)				
Specifications	Fluid medium	Air, Water (Conditional ^{*1})				
	Max. operating pressure (MPa)	0.7 (65%RH at 20°C ^{*2})				
	Max. vacuum (kPa)	-100				
	Operating temp. range (°C)	Air: -20 to 60 (No freezing), Water: -15 to 60 (No freezing)				

⚠ Warning

*1. The following conditions must be observed when the fluid medium is water.




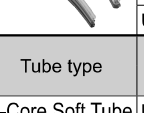

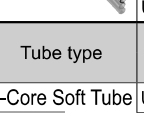

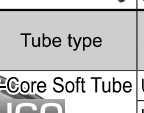


(1) Surge pressure must be controlled lower than max. operating pressure when using water as a fluid medium.

(2) General tap water in Japan, free from foreign substances or contamination, can be used. Carry out the evaluation under an actual operating condition for using other kind of water.

(3) Be sure to place Insert Ring (WR) into the tube edge when tube is inserted into push-in fittings and using water as a fluid medium.

*2. The value of max. operating pressure is measured at 20°C and 65% RH. For other temperatures, the Burst Pressure Curve should be used with a sufficient safety margin. In addition, if the tube is in a moving part, such as a swinging or bending part, the temperature may rise due to self-heating caused by intermolecular heat generation, which may cause the tube to break.

RoHS2 (2011/65/EU+EU2015/863) compliant

Multi-colored Ribbon Tube			Soft Multi-colored Ribbon Tube		
Tube type	Model code	Available in 100 m length [4]: 100	Tube type	Model code	Available in 100 m length [4]: 100
 2-Core Tube UQ	UQ03-2F-[4]-[5]-[6]	●	 2-Core Soft Tube UCQ	UCQ04-2F-[4]-[5]-[6]	●
	UQ04-2F-[4]-[5]-[6]	●		UCQ06-2F-[4]-[5]-[6]	●
	UQ06-2F-[4]-[5]-[6]	●		UCQ08-2F-[4]-[5]-[6]	●
	UQ08-2F-[4]-[5]-[6]	●		UCQ10-2F-[4]-[5]-[6]	●
	UQ10-2F-[4]-[5]-[6]	●		UCQ12-2F-[4]-[5]-[6]	●
	UQ12-2F-[4]-[5]-[6]	●			
Tube type	Model code	Available in 100 m length [4]: 100	Tube type	Model code	Available in 100 m length [4]: 100
 3-Core Tube UQ	UQ03-3F-[4]-[5]-[6]-[7]	●	 3-Core Soft Tube UCQ	UCQ04-3F-[4]-[5]-[6]-[7]	●
	UQ04-3F-[4]-[5]-[6]-[7]	●		UCQ06-3F-[4]-[5]-[6]-[7]	●
	UQ06-3F-[4]-[5]-[6]-[7]	●		UCQ08-3F-[4]-[5]-[6]-[7]	●
	UQ08-3F-[4]-[5]-[6]-[7]	●		UCQ10-3F-[4]-[5]-[6]-[7]	—
	UQ10-3F-[4]-[5]-[6]-[7]	—		UCQ12-3F-[4]-[5]-[6]-[7]	—
	UQ12-3F-[4]-[5]-[6]-[7]	—			
Tube type	Model code	Available in 100 m length [4]: 100	Tube type	Model code	Available in 100 m length [4]: 100
 4-Core Tube UQ	UQ03-4F-[4]-[5]-[6]-[7]-[8]	●	 4-Core Soft Tube UCQ	UCQ04-4F-[4]-[5]-[6]-[7]-[8]	●
	UQ04-4F-[4]-[5]-[6]-[7]-[8]	●		UCQ06-4F-[4]-[5]-[6]-[7]-[8]	●
	UQ06-4F-[4]-[5]-[6]-[7]-[8]	●		UCQ08-4F-[4]-[5]-[6]-[7]-[8]	—
	UQ08-4F-[4]-[5]-[6]-[7]-[8]	—		UCQ10-4F-[4]-[5]-[6]-[7]-[8]	—
	UQ10-4F-[4]-[5]-[6]-[7]-[8]	—		UCQ12-4F-[4]-[5]-[6]-[7]-[8]	—
	UQ12-4F-[4]-[5]-[6]-[7]-[8]	—			
Tube type	Model code	Available in 100 m length [4]: 100	Tube type	Model code	Available in 100 m length [4]: 100
 5-Core Tube UQ	UQ03-5F-[4]-[5]-[6]-[7]-[8]-[9]	●	 5-Core Soft Tube UCQ	UCQ04-5F-[4]-[5]-[6]-[7]-[8]-[9]	●
	UQ04-5F-[4]-[5]-[6]-[7]-[8]-[9]	●		UCQ06-5F-[4]-[5]-[6]-[7]-[8]-[9]	—
	UQ06-5F-[4]-[5]-[6]-[7]-[8]-[9]	—		UCQ08-5F-[4]-[5]-[6]-[7]-[8]-[9]	—
	UQ08-5F-[4]-[5]-[6]-[7]-[8]-[9]	—		UCQ10-5F-[4]-[5]-[6]-[7]-[8]-[9]	—
	UQ10-5F-[4]-[5]-[6]-[7]-[8]-[9]	—		UCQ12-5F-[4]-[5]-[6]-[7]-[8]-[9]	—
	UQ12-5F-[4]-[5]-[6]-[7]-[8]-[9]	—			
Tube type	Model code	Available in 100 m length [4]: 100	Tube type	Model code	Available in 100 m length [4]: 100
 6-Core Tube UQ	UQ03-6F-[4]-[5]-[6]-[7]-[8]-[9]-[10]	●	 6-Core Soft Tube UCQ	UCQ04-6F-[4]-[5]-[6]-[7]-[8]-[9]-[10]	●
	UQ04-6F-[4]-[5]-[6]-[7]-[8]-[9]-[10]	●		UCQ06-6F-[4]-[5]-[6]-[7]-[8]-[9]-[10]	—
	UQ06-6F-[4]-[5]-[6]-[7]-[8]-[9]-[10]	—		UCQ08-6F-[4]-[5]-[6]-[7]-[8]-[9]-[10]	—
	UQ08-6F-[4]-[5]-[6]-[7]-[8]-[9]-[10]	—		UCQ10-6F-[4]-[5]-[6]-[7]-[8]-[9]-[10]	—
	UQ10-6F-[4]-[5]-[6]-[7]-[8]-[9]-[10]	—		UCQ12-6F-[4]-[5]-[6]-[7]-[8]-[9]-[10]	—
	UQ12-6F-[4]-[5]-[6]-[7]-[8]-[9]-[10]	—			



Notes

*1. For [5], [6], [7], [8], [9] and [10] in model code, please select a tube color code. Other colors except Black color of UQ and Clear black color of UCQ are available as a make-to-order product.

*2. Other length is also available as make-to-order products. Contact us for the price.

*3. Over 3 cores tube (3-cores to 6-cores) is also available as a make-to-order product.



Packaging specifications

20 M lengths/bag: Applicable to all types

100 M lengths/box: Applicable to tubes with ● in the line of "[4]: 100" in the above table.

Producible core numbers & arrangement as make-to order products

Equal tube dia.

· Flat arrangement:

3 cores to 6 cores

○○○ 3 cores

○○○○ 4 cores

○○○○○ 5 cores

○○○○○○ 6 cores

· Pyramidal arrangement:

3 cores, 5 cores, 6 cores

○○○ 3 cores

○○○ 6 cores

○○○ 5 cores

○○○

Unequal tube dia.

2 and 3 cores only
(flat arrangement only)

○ ○ 2 cores

○ ○ 3 cores

○ ○

○ ○