

Multi core Tube for General Pneumatic Piping

Multi-core Tube (Ribbon or Pyramid style)

Characteristics

- This flexible, multi-core tube is made of polyurethane (UQ) or soft polyurethane (UCQ).
- The multi-core tube is suitable for air supply to multiple drives.
- For the black 2 core tube, the discernment line is printed on one tube to prevent a piping mistake.
- The useful cut marks on every 500mm are printed.
- Tubes with 3-6 Cores, different type of Arrangement (Ribbon or Pyramid Type) and upto 10-Color Selection are available as make-to-order products.

Specifications of UQ

Model	UQ03	UQ04	UQ06	UQ08	UQ10	UQ12
O.D.xI.D. (mm)	3x2	4x2.5	6x4	8x5	10x6.5	12x8
Size	20 · 100					
Tube color	Black (B)	○: available				
	Red (R)	△ *5				
	Orange (O)	△ *5				
	Ocher (YB)	△ *5				
	Yellow (Y)	△ *5				
	Green (G)	△ *5				
	Blue (BU)	△ *5				
	Clear blue (CB)	△ *5				
	Transparent (C)	△ *5				
	Milky white (W)	△ *5				
Fluid medium	Air, water (*1, *2, *3)					
Max. operating pressure	116 psi (0.8MPa) (65%RH at 68°F ** (20°C **))					
Max. vacuum	-29.5in. Hg (-100kPa)					
Operating temp. range	-5 ~ 140°F (-15 ~ 60° C) (no freezing)					

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

*2. Be sure to place Insert Ring into the tube edge when Tube is inserted into Push-In Fittings with water as a fluid medium.

*3. Tap water can be used. Consult with PISCO for using other kind of water.

*4. The value of max. operating pressure is measured at 20°C and 65%RH. When Tubes are used in different conditions, consider a safety ratio of the pressure with an enough margin, referring to Burst Pressure Curve. When Tubes are frequently swung and bent, there is a possibility of generating heat between molecules and damaging the products.

*5. Color selection with marking △ is available as a make-to-order product.

Specifications of UCQ

Model	UCQ04	UCQ06	UCQ08	UCQ10	UCQ12
O.D.xI.D. (mm)	4x2.5	6x4	8x5	10x6.5	12x8
Size	20 · 100				
Tube color (○: available)	Clear black (CBL)	○			
	Clear orange (CO)	○			
	Clear yellow (CY)	○			
	Clear green (CG)	○			
	Clear blue (CB)	○			
	Transparent (C)	○			
Fluid medium	Air, water (*1, *2, *3)				
Max. operating pressure	87psi (0.6MPa) (65%RH at 20°C **)				
Max. vacuum	-29.5in. Hg (-100kPa)				
Operating temp. range	-5 ~ 140°F (-15 ~ 60°C) (no freezing)				

❖ Ask us for inch O.D. tubing sizes and colors available

Model Designation (Example)



(1) Tube type

UQ : Multi-core Planar Tube

UCQ : Soft Multi-core Planar Tube

(2) Tube dia. (O.D./I.D.)

Code	mm size					
	03*	04	06	08	10	12
O.D.	ø3mm	ø4mm	ø6mm	ø8mm	ø10mm	ø12mm
I.D.	ø2mm	ø2.5mm	ø4mm	ø5mm	ø6.5mm	ø8mm

* Tube O.D. ø3mm is available only for UQ type.

❖ Ask us for inch O.D. tubing sizes and colors availability

(3) No. of cores

Code	2F	3F*	4F*	5F*	6F*
Core	2 cores	3 cores	4 cores	5 cores	6 cores

* 3-6 cores of equal tube dia. are available as a make-to-order product.

(4) Tube length

Code	20	100
Length	20m	100m

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

■ Tube dia. and max. length of each tube core (Unit: m)

Tube O.D. No. of core	Tube dia.					
	ø3mm	ø4mm	ø6mm	ø8mm	ø10mm	ø12mm
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

■ UQ

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

■ UCQ

Code	CBL	CO	CY	CG	CB	C
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.