

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	
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	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 *1 (20°C *1))						
Max. vacuum	-29.5in. Hg (-100kPa)						
Operating temp. range	-5 ~ 140°F (-15 ~ 60° C) (no freezing)						

Specifications of UCQ

Model	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 (○ : 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 *1)					
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

- *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.

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	ø3mm	ø4mm	ø6mm	ø8mm	ø10mm	ø12mm
	2	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

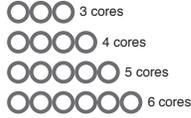
Code	CBL	CO	CY	CG	CB	C
color	Clear black	Clear orange	Clear yellow	Clear green	Clear blue	Transparent

Tube color 1 Tube color 2 * Color combinations other than black are available as make-to-order products.

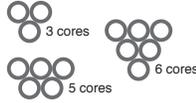
Producible core numbers & arrangement as make-to order products

Equal tube dia.

- Ribbon arrangement: 3-6 cores

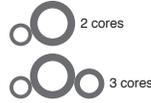


- Pyramidal arrangement: 3,5 and 6 cores (Special-made)

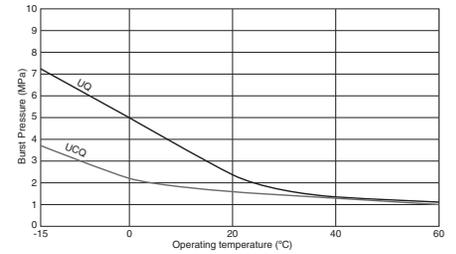


Unequal tube dia. (Special-made)

- 2 and 3 cores only (Parallel arrangement only)



Burst Pressure Curve (Reference Value)



Detailed Safety Instructions

Before using the PISCO products, be sure to read the "Safety Instructions", "Common Safety Instructions for Products in This Catalog" and "Common Safety Instructions for Tubes".

- ⚠ Caution : 1. When the tubes are difficult to split into each core, cut the tube edge between each core around 5mm with a cutter.

RoHS The products listed in this page are ECO-friendly products.
* Please refer to page 4 for the details of ECO-friendly products.

UQ	Model code	UCQ	Model code
2 Core Planar Tube	UQ03-2F-(4)-(5)-(6)	2 Core Soft Planar Tube	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)		
3 Core Planar Tube	UQ03-3F-(4)-(5)-(6)-(7)	3 Core Soft Planar Tube	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)		
4 Core Planar Tube	UQ03-4F-(4)-(5)-(6)-(7)-(8)	4 Core Soft Planar Tube	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)		
5 Core Planar Tube	UQ03-5F-(4)-(5)-(6)-(7)-(8)-(9)	5 Core Soft Planar Tube	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)		
6 Core Planar Tube	UQ03-6F-(4)-(5)-(6)-(7)-(8)-(9)-(10)	6 Core Soft Planar Tube	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)		



Caution

* (4) : Replaced with Tube length

* (5, 6, 7, 8, 9, 10) : Replaced with Tube color code.

* The combination of Black color with 2 cores is the only standard item and the other colors are available as a make-to-order product.



Package specification

20M lengths /bag: Applicable to all types

100M lengths /box: Applicable to Tubes that are available in 100m. Refer to "Tube dia. and max. length" table on previous page.