

○ Polyolefin tube

CTA

○ Soft polyolefin tube

CTB



Adopting a polyolefin type resin suitable for clean environment.

2 types of hardness for the variety of usage

Recommend CTA for a sufficient flow rate and CTB for a flexible piping.

Fine waterproof

6 tubing colors

Specification

Model	(5/32") CTA0425	(5/16") CTA0860	CTA1/4	CTA3/8	CTA1/2	CTA0640	CTA1075	CTA1290	(5/32") CTB0425	(5/16") CTB0850	CTB1/4	CTB3/8	CTB1/2	CTB0640	CTB1065	CTB1280	
Size	O.D.×I.D. (mm)	4×2.5	8×6	1/4in×4.57	3/8in×6.99	1/2in×9.56	6×4	10×7.5	12×9	4×2.5	8×5	1/4in×4.57	3/8in×6.99	1/2in×9.56	6×4	10×6.5	12×8
Tube color	Tube length (m)	20 · 100															
	Black (B)	○															
	Clear Red (CR)	○															
	Clear Yellow (CY)	○															
	Clear Green (CG)	○															
	Clear Blue (CB)	○															
Clear White (CW)	○																
Fluid medium	Air, Water (*1~*3) Chemicals (*4)																
Max. operating temp. range	1.0MPa (*5)								0.8MPa (*5)								
Max. vacuum	-100kPa																
Operating temp. range	-15 ~ 80°C (no freezing)																
Min. bending Radius (JIS) (mm)	7	23	15	27	33	12	27	33	7	12	18	22	12	18	20		

Warnings \*1. When the fluid medium is water or liquid, please limit the level of surge pressure to maximum operating pressure or less.  
 \*2. Tap water can be admitted. Please make inquires for other type of fluid.  
 \*3. Please make sure to install the insert ring when water or liquid is used through one-touch fitting.  
 \*4. Please inquire us when chemicals are used.  
 \*5. Max. operating pressure is the value at 65% RH at 20°C. When using on other temperatures, please take enough safety value judging from the burst pressure curve on the reverse page.

Model Designation (Example)



①. Name of tube

CTA: Polyolefin tube  
CTB: Soft polyolefin tube

②. Tube dia. (O.D. x I.D.)

■ Polyolefin tube: CTA

Code	0425 (5/32")	1/4	0860 (5/16")	3/8	1/2	0640	1075	1290
O.D. (mm)	ø4	ø1/4in	ø8	ø3/8in	ø1/2in	ø6	ø10	ø12
I.D. (mm)	ø2.5	ø4.57	ø6	ø6.99	ø9.56	ø4	ø7.5	ø9

■ Soft polyolefin tube: CTB

Code	0425 (5/32")	1/4	0860 (5/16")	3/8	1/2	0640	1065	1280
O.D. (mm)	ø4	ø1/4in	ø8	ø3/8in	ø1/2in	ø6	ø10	ø12
I.D. (mm)	ø2.5	ø4.15	ø5	ø5.99	ø8.5	ø4	ø6.5	ø8

③. Tube length (before coiling)

Code	20	100
Stretched length (m)	20	100

\* Only 20m is available under clean-room packing.

④. Tube color

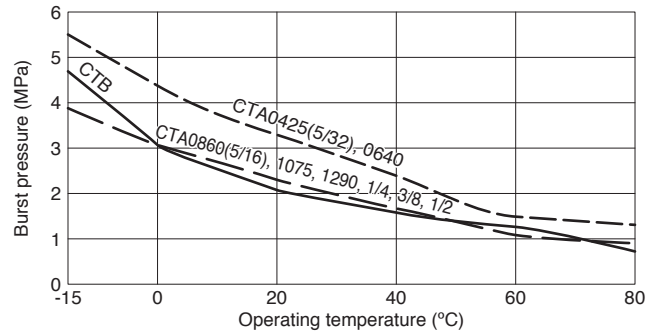
Code	B	CR	CY	CG	CB	CW
Color	Black	Clear Red	Clear Yellow	Clear Green	Clear Blue	Clear White

\* It may cause a difficulty of observing fluid inside of CR (Clear Red) tube due to tube size.

⑤. Packing specification

Code	Blank	C
Specification	Normal packing	Clean room packing

Burst Pressure Curve (Reference Value)



\* Burst pressure curve is a reference value based on our evaluation test. As such, please check the conformity with the machine used and take safety measures especially for high temperature applications.

CTA Polyolefin tube



Model	O.D. (diameter)	I.D. (diameter)	Standard length (m)	Min. bending radius (mm)	Min. mounting radius (mm)	Weight (g/m)
CTA0425-③-④⑤ (5/32")	5/32" (4mm)	0.098"(2.5mm)	20 · 100	7	13	8
CTA1/4-③-④⑤	1/4" (6.35mm)	0.18" (4.57mm)	20 · 100	12	21	15
CTA0860-③-④⑤ (5/16")	5/16" (8mm)	0.286" (6mm)	20 · 100	23	37	21
CTA3/8-③-④⑤	3/8" (9.53mm)	0.275" (6.99mm)	20 · 100	27	46	32
CTA1/2-③-④⑤	1/2" (12.7mm)	0.376" (9.56mm)	20 · 100	33	54	46
CTA0640-③-④⑤	6mm	4mm	20 · 100	15	27	15
CTA1075-③-④⑤	10mm	7.5mm	20 · 100	27	46	31
CTA1290-③-④⑤	12mm	9mm	20 · 100	33	54	51

\* Please select tube length from 3 Standard length to fill in the above ③, and ④ Tube color to fill in the above 4.

\* In case of selecting clean packing, please select C to fill in ⑤ (Blank for normal packing). Only 20m is available under clean-room packing.

CTB Soft polyolefin tube



Model	O.D. (diameter)	I.D. (diameter)	Standard length (m)	Min. bending radius (mm)	Min. mounting radius (mm)	Weight (g/m)
CTB0425-③-④⑤ (5/32")	5/32" (4mm)	0.098"(2.5mm)	20 · 100	7	15	7
CTB1/4-③-④⑤	1/4" (6.35mm)	0.163" (4.15mm)	20 · 100	12	25	17
CTB0850-③-④⑤ (5/16")	5/16" (8mm)	0.197" (5mm)	20 · 100	12	25	28
CTB3/8-③-④⑤	3/8" (9.53mm)	0.236" (5.99mm)	20 · 100	18	29	40
CTB1/2-③-④⑤	1/2" (12.7mm)	0.335" (8.5mm)	20 · 100	22	45	64
CTB0640-③-④⑤	6mm	4mm	20 · 100	12	25	15
CTB1065-③-④⑤	10mm	6.5mm	20 · 100	18	29	42
CTB1280-③-④⑤	12mm	8mm	20 · 100	20	41	58

\* Please select tube length from 3 Standard length to fill in the above ③, and ④ Tube color to fill in the above 4.

\* In case of selecting clean packing, please select C to fill in ⑤ (Blank for normal packing). Only 20m is available under clean-room packing.