

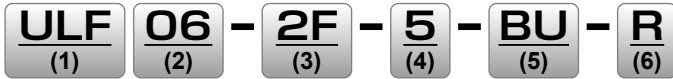
Twin Spiral Coiled Tube

Two-core Spiral Coiled 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) Twin Spiral Coiled Tube

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

Code	mm size (mm)					
	03	04	06	08	10	12
O.D.	ø3	ø4	ø6	ø8	ø10	ø12

(3) No. of cores

2F : 2 cores

(4) Tube length (before being coiled) (○: Available)

Code	1	2.5	5	7	10
Length (m)	1	2.5	5	7	10
Tube O.D.	ø3 mm	○	○		
	ø4 mm	○	○	○	○
	ø6 mm	○	○	○	○
	ø8 mm		○	○	○
	ø10 mm		○	○	○
	ø12 mm		○	○	○

*Above list is that of tube full length before coiling process. Dimension after coiling process is specified in following model code list. Refer to dimension of "L".

(5) Tube color 1, (6) Tube color 2 (○: Available)

Code	Tube color 1 ○ Tube color 2									
	B	R	O	YB	Y	G	BU	CB	C	W
Tube color	Black	Red	Orange	Ocher	Yellow	Green	Blue	Clear blue	Transparent	Milky white
	○	△	△	△	△	△	△	△	△	△

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

Characteristics

- This coiled tube has two cores.
- The twin coiled tube enables compact piping in moving parts.

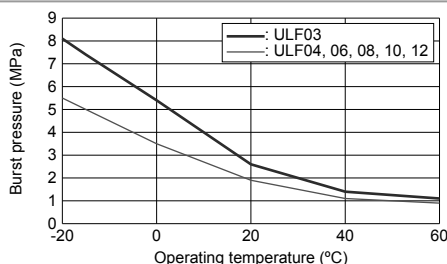
Specifications

Model code	ULF03-2F	ULF04-2F	ULF06-2F	ULF08-2F	ULF10-2F	ULF12-2F
Size O.D. (mm)	3	4	6	8	10	12
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)					
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)					

△ Warning

- The following conditions must be observed when the fluid medium is water.
 - Surge pressure must be controlled lower than max. operating pressure when using water as a fluid medium.
 - 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.
 - 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.
- 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.

Burst Pressure Curve (Reference Value)



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

Tube type	Model code	øD (mm)	L1 (mm)	ød (mm)	L2 (mm)
Twin Spiral Coiled Tube ULF	ULF03-2F-1- [5] - [6]	3	80	21	240
	ULF03-2F-2.5- [5] - [6]		230		700
	ULF04-2F-1- [5] - [6]	4	90	26	270
	ULF04-2F-2.5- [5] - [6]		230		700
	ULF04-2F-5- [5] - [6]		510		1,530
	ULF04-2F-7- [5] - [6]		730		2,200
	ULF04-2F-10- [5] - [6]	1,060	3,200		
	ULF06-2F-1- [5] - [6]	6	90	38	270
	ULF06-2F-2.5- [5] - [6]		240		720
	ULF06-2F-5- [5] - [6]		525		1,600
	ULF06-2F-7- [5] - [6]		750		2,300
	ULF06-2F-10- [5] - [6]	1,090	3,300		
	ULF08-2F-2.5- [5] - [6]	8	390	42	1,200
	ULF08-2F-5- [5] - [6]		770		2,300
	ULF08-2F-7- [5] - [6]		1,045		3,200
	ULF08-2F-10- [5] - [6]		1,550		4,700
	ULF10-2F-2.5- [5] - [6]	10	330	58	1,000
	ULF10-2F-5- [5] - [6]		680		2,100
	ULF10-2F-7- [5] - [6]		970		3,000
	ULF10-2F-10- [5] - [6]		1,380		4,200
ULF12-2F-2.5- [5] - [6]	12	310	72	1,000	
ULF12-2F-5- [5] - [6]		650		2,000	
ULF12-2F-7- [5] - [6]		980		2,800	
ULF12-2F-10- [5] - [6]		1,320		4,000	

i Notes

- For **[5]** and **[6]** in model code, please select a tube color code.
- Twin Spiral Coiled tubes for UC, UBT, and UE are available as special made items. Please contact us for the details.

Package Packaging specifications
1 pc. /bag