

THERMOPLASTIC QUICK COUPLINGS

ACETAL

1/4" Flow, FT-PLC Series for 1/4 to 3/8" Tubing

Acetal, our most popular couplings. With 1/4" flow, they offer the widest selection of sizes and configurations for 1/4 to 3/8" plastic tubing.

FT-PLC Series Features

- ✓ Straight Thru, Single End or Double End Shutoff
- ✓ Small Package Size
- ✓ Leak Free O-Ring Seal
- ✓ Special Configurations Quoted

Applications

- ✓ Water and Air Supply Lines
- ✓ Potable Water
- ✓ Cooling Lines
- ✓ Mild Chemical Handling
- ✓ Beverage Dispensing



FT-PLC Series



By Individual
Model No.†

To Order

PIPE THREAD



MALE THREAD

1/4" NPT
3/8" NPT
1/4" BSPT
3/8" BSPT

STRAIGHT THRU MODEL NO.

FT-PLC100-04
FT-PLC100-06
FT-PLC100-04BS
FT-PLC100-06BS

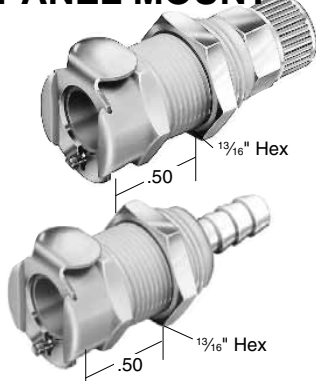
SHUTOFF MODEL NO.

FT-PLCD100-04
FT-PLCD100-06
FT-PLCD100-04BS
FT-PLCD100-06BS

LENGTH (inch)

1.15
1.15
1.15
1.15

PANEL MOUNT*



Ferrules Polytube Fitting††, PTF

TUBING SIZE OD x ID

1/4 x 0.170"
— —
3/8 x 0.270"
— —

METRIC EQ mm

6 x 4.3
8 x 6
9.5 x 6
10 x 8

STRAIGHT THRU MODEL NO.

FT-PLC120-04
FT-PLC120-M8
FT-PLC120-06
FT-PLC120-M10

SHUTOFF MODEL NO.

FT-PLCD120-04
FT-PLCD120-M8
FT-PLCD120-06
FT-PLCD120-M10

LENGTH (inch)

1.83
1.95
1.95
1.95

Hose Barb

1/4" ID
5/16" ID
3/8" ID

6.4 ID
7.9 ID
9.5 ID

FT-PLC160-04
FT-PLC160-05
FT-PLC160-06

FT-PLCD160-04
FT-PLCD160-05
FT-PLCD160-06

1.95
1.95
1.95

IN LINE, Streamline Design



Ferrules Polytube Fitting††, PTF

TUBING SIZE OD x ID

1/4 x 0.170"
— —
3/8 x 0.250"
— —

METRIC EQ mm

6 x 4.3
8 x 6
9.5 x 6
10 x 8

STRAIGHT THRU MODEL NO.

FT-PLC130-04
FT-PLC130-M8
FT-PLC130-06
FT-PLC130-M10

SHUTOFF MODEL NO.

FT-PLCD130-04
FT-PLCD130-M8
FT-PLCD130-06
FT-PLCD130-M10

LENGTH (inch)

1.82
1.95
1.95
1.95

Hose Barb

1/4" ID
5/16" ID
3/8" ID

6.4 ID
7.9 ID
9.5 ID

FT-PLC170-04
FT-PLC170-05
FT-PLC170-06

FT-PLCD170-04
FT-PLCD170-05
FT-PLCD170-06

1.95
1.95
1.95

Acetal and Chrome-Plated Brass coupling halves interchange.

* Panel Opening = 11/16" Diameter
Maximum Panel Thickness = 1/2"
Minimum Panel Thickness = 0.020"
Panel Nuts = 13/16" Hex

†† PTF fittings are designed for semi-rigid tubing, i.e. polyethylene, nylon etc. and polyurethane tubing.

† Visit omega.com/rohs to determine specific RoHS compliance.

SPECIFICATIONS

Working Pressure:

Vacuum to 120 psi (8.3 bar)

Operating Temperature:

-40 to 82°C (-40 to 180°F) continuous

Materials:

Bodies and Valves: Acetal

Internal Spring: 316 Stainless Steel

External Springs, Pin, Latch:

Stainless Steel Seals:

Buna, others available

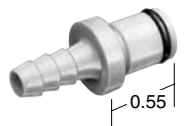
Color: Natural White, others available

Tubing Sizes: ¼" thru ¾" ID ¼" and ⅜"

OD 6 x 4 mm thru 12 x 8 mm (OD x ID)



Coupling Inserts ¼" Flow

To Order						
PIPE THREAD 	STRAIGHT THRU MALE THREAD		SHUTOFF MODEL NO.	LENGTH (inch)	MODEL NO.	LENGTH (inch)
	1/4 NPT		FT-PLC240-04	1.25	FT-PLCD240-04	1.51
	3/8 NPT		FT-PLC240-06	1.25	FT-PLCD240-06	1.40
	1/4" BSPT		FT-PLC240-04BS	1.25	FT-PLCD240-04BS	1.51
	3/8" BSPT		FT-PLC240-06BS	1.25	FT-PLCD240-06BS	1.40
PANEL MOUNT*  	Ferruleless Polytube Fitting†, PTF					
	TUBING SIZE OD x ID	METRIC EQ mm	STRAIGHT THRU MODEL NO.	LENGTH (inch)	SHUTOFF MODEL NO.	LENGTH (inch)
	1/4 x 0.170"	6 x 4.3	FT-PLC400-04	1.78	FT-PLCD400-04	1.78
	— —	8 x 6	FT-PLC400-M8	1.91	FT-PLCD400-M8	1.91
	3/8 x 0.250"	9.5 x 6	FT-PLC400-06	1.91	FT-PLCD400-06	1.91
	— —	10 x 8	FT-PLC400-M10	1.91	FT-PLCD400-M10	1.91
	Hose Barb					
	1/4" ID	6.4 ID	FT-PLC420-04	1.91	FT-PLCD420-04	1.91
	5/16" ID	7.9 ID	FT-PLC420-05	1.91	FT-PLCD420-05	1.91
	3/8" ID	9.5 ID	FT-PLC420-06	1.91	FT-PLCD420-06	1.91
STRAIGHTS  	Ferruleless Polytube Fitting†, PTF					
	TUBING SIZE OD x ID	METRIC EQ mm	STRAIGHT THRU MODEL NO.	LENGTH (inch)	SHUTOFF MODEL NO.	LENGTH (inch)
	1/4 x 0.170"	6 x 4.3	FT-PLC200-04	1.25	FT-PLCD200-04	1.75
	— —	8 x 6	FT-PLC200-M8	1.38	FT-PLCD200-M8	1.68
	3/8 x 0.250"	9.5 x 6	FT-PLC200-06	1.38	FT-PLCD200-06	1.68
	— —	10 x 8	FT-PLC200-M10	1.38	FT-PLCD200-M10	1.68
	Hose Barb					
	1/4" ID	6.4 ID	FT-PLC220-04	1.35	FT-PLCD220-04	1.86
	5/16" ID	7.9 ID	FT-PLC220-05	1.35	FT-PLCD220-05	1.86
	3/8" ID	9.5 ID	FT-PLC220-06	1.35	FT-PLCD220-06	1.67
ELBOWS  	Ferruleless Polytube Fitting†, PTF					
	TUBING SIZE OD x ID	METRIC EQ mm	STRAIGHT THRU MODEL NO.	LENGTH (inch)	SHUTOFF MODEL NO.	LENGTH (inch)
	3/8 x 0.250"	9.5 x 6	FT-PLC210-06	1.22	FT-PLCD210-06	1.22
	Hose Barb					
	1/4" ID	6.4 ID	FT-PLC230-04	1.10	FT-PLCD230-04	1.22
	3/8" ID	9.5 ID	FT-PLC230-06	1.20	FT-PLCD230-06	1.22
Acetal and Chrome-Plated Brass coupling halves interchange.						
* Panel Opening = 11/16" Diameter, Maximum Panel Thickness = 1/2", Minimum Panel Thickness = 0.020", Panel Nuts = 13/16" Hex						
†† PTF fittings are designed for semi-rigid tubing, i.e. polyethylene, nylon etc. and polyurethane tubing.						
Ordering Examples: FT-PLCD100-04, coupling body, and FT-PLC240-04, insert.						
FT-PLC120-04, coupling body, and FT-PLCD400-04, insert.						