

# 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.t

To Order					
<b>PIPE THREAD</b> 	MALE THREAD		STRAIGHT THRU MODEL NO.	SHUTOFF MODEL NO.	LENGTH (inch)
	1/4 NPT		FT-PLC100-04	FT-PLCD100-04	1.15
	3/8 NPT		FT-PLC100-06	FT-PLCD100-06	1.15
	1/4" BSPT		FT-PLC100-04BS	FT-PLCD100-04BS	1.15
	3/8" BSPT		FT-PLC100-06BS	FT-PLCD100-06BS	1.15
<b>PANEL MOUNT*</b> 	<b>Ferrules Polytube Fitting††, PTF</b>				
	TUBING SIZE OD x ID	METRIC EQ mm	STRAIGHT THRU MODEL NO.	SHUTOFF MODEL NO.	LENGTH (inch)
	1/4 x 0.170"	6 x 4.3	FT-PLC120-04	FT-PLCD120-04	1.83
	— —	8 x 6	FT-PLC120-M8	FT-PLCD120-M8	1.95
	3/8 x 0.270"	9.5 x 6	FT-PLC120-06	FT-PLCD120-06	1.95
	— —	10 x 8	FT-PLC120-M10	FT-PLCD120-M10	1.95
	<b>Hose Barb</b>				
	1/4" ID	6.4 ID	FT-PLC160-04	FT-PLCD160-04	1.95
	5/16" ID	7.9 ID	FT-PLC160-05	FT-PLCD160-05	1.95
	3/8" ID	9.5 ID	FT-PLC160-06	FT-PLCD160-06	1.95

### IN LINE, Streamline Design

	<b>Ferrules Polytube Fitting††, PTF</b>				
	TUBING SIZE OD x ID	METRIC EQ mm	STRAIGHT THRU MODEL NO.	SHUTOFF MODEL NO.	LENGTH (inch)
	1/4 x 0.170"	6 x 4.3	FT-PLC130-04	FT-PLCD130-04	1.82
	— —	8 x 6	FT-PLC130-M8	FT-PLCD130-M8	1.95
	3/8 x 0.250"	9.5 x 6	FT-PLC130-06	FT-PLCD130-06	1.95
	— —	10 x 8	FT-PLC130-M10	FT-PLCD130-M10	1.95
	<b>Hose Barb</b>				
	1/4" ID	6.4 ID	FT-PLC170-04	FT-PLCD170-04	1.95
	5/16" ID	7.9 ID	FT-PLC170-05	FT-PLCD170-05	1.95
	3/8" ID	9.5 ID	FT-PLC170-06	FT-PLCD170-06	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.

## 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 ¾"

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)
	¼ NPT	<b>FT-PLC240-04</b>	1.25	<b>FT-PLCD240-04</b>	1.51	
	¾ NPT	<b>FT-PLC240-06</b>	1.25	<b>FT-PLCD240-06</b>	1.40	
	¼" BSPT	<b>FT-PLC240-04BS</b>	1.25	<b>FT-PLCD240-04BS</b>	1.51	
	¾" BSPT	<b>FT-PLC240-06BS</b>	1.25	<b>FT-PLCD240-06BS</b>	1.40	
PANEL MOUNT* Ferrules Polytube Fitting††, PTF						
	TUBING SIZE OD x ID	METRIC EQ mm	STRAIGHT THRU MODEL NO.	LENGTH (inch)	SHUTOFF MODEL NO.	LENGTH (inch)
	¼ x 0.170"	6 x 4.3	<b>FT-PLC400-04</b>	1.78	<b>FT-PLCD400-04</b>	1.78
	— —	8 x 6	<b>FT-PLC400-M8</b>	1.91	<b>FT-PLCD400-M8</b>	1.91
	¾ x 0.250"	9.5 x 6	<b>FT-PLC400-06</b>	1.91	<b>FT-PLCD400-06</b>	1.91
— —	10 x 8	<b>FT-PLC400-M10</b>	1.91	<b>FT-PLCD400-M10</b>	1.91	
Hose Barb						
	¼" ID	6.4 ID	<b>FT-PLC420-04</b>	1.91	<b>FT-PLCD420-04</b>	1.91
	⅝" ID	7.9 ID	<b>FT-PLC420-05</b>	1.91	<b>FT-PLCD420-05</b>	1.91
	¾" ID	9.5 ID	<b>FT-PLC420-06</b>	1.91	<b>FT-PLCD420-06</b>	1.91
STRAIGHTS Ferrules Polytube Fitting††, PTF						
	TUBING SIZE OD x ID	METRIC EQ mm	STRAIGHT THRU MODEL NO.	LENGTH (inch)	SHUTOFF MODEL NO.	LENGTH (inch)
	¼ x 0.170"	6 x 4.3	<b>FT-PLC200-04</b>	1.25	<b>FT-PLCD200-04</b>	1.75
	— —	8 x 6	<b>FT-PLC200-M8</b>	1.38	<b>FT-PLCD200-M8</b>	1.68
	¾ x 0.250"	9.5 x 6	<b>FT-PLC200-06</b>	1.38	<b>FT-PLCD200-06</b>	1.68
— —	10 x 8	<b>FT-PLC200-M10</b>	1.38	<b>FT-PLCD200-M10</b>	1.68	
Hose Barb						
	¼" ID	6.4 ID	<b>FT-PLC220-04</b>	1.35	<b>FT-PLCD220-04</b>	1.86
	⅝" ID	7.9 ID	<b>FT-PLC220-05</b>	1.35	<b>FT-PLCD220-05</b>	1.86
	¾" ID	9.5 ID	<b>FT-PLC220-06</b>	1.35	<b>FT-PLCD220-06</b>	1.67
ELBOWS Ferrules Polytube Fitting††, PTF						
	TUBING SIZE OD x ID	METRIC EQ mm	STRAIGHT THRU MODEL NO.	LENGTH (inch)	SHUTOFF MODEL NO.	LENGTH (inch)
	¾ x 0.250"	9.5 x 6	<b>FT-PLC210-06</b>	1.22	<b>FT-PLCD210-06</b>	1.22
Hose Barb						
	¼" ID	6.4 ID	<b>FT-PLC230-04</b>	1.10	<b>FT-PLCD230-04</b>	1.22
	¾" ID	9.5 ID	<b>FT-PLC230-06</b>	1.20	<b>FT-PLCD230-06</b>	1.22
<p>Acetal and Chrome-Plated Brass coupling halves interchange.                      * Panel Opening = 1 1/16" 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.  <b>Ordering Examples:</b> FT-PLCD100-04, coupling body, and FT-PLC240-04, insert.                      FT-PLC120-04, coupling body, and FT-PLCD400-04, insert.</p>						