

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					
PIPE THREAD 	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
PANEL MOUNT* 	Ferrules Polytube Fitting††, PTF				
	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
	Hose Barb				
	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

	Ferrules Polytube Fitting††, PTF				
	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
	Hose Barb				
	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.

† 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:

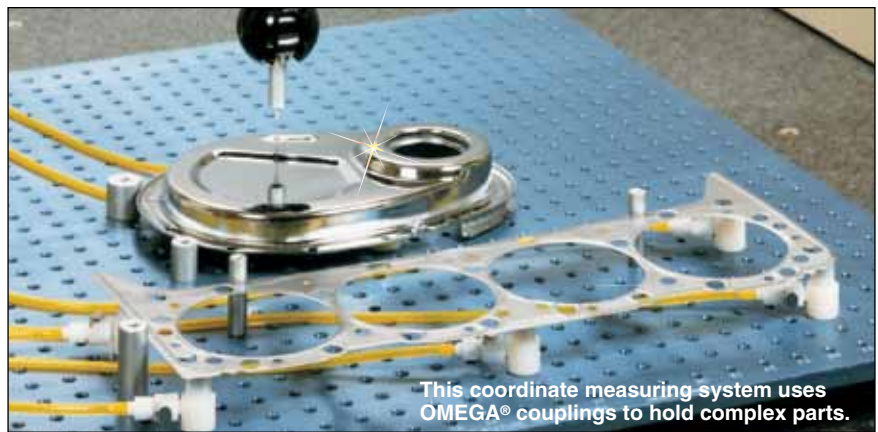
Stainless Steel Seals:

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)



This coordinate measuring system uses OMEGA® couplings to hold complex parts.

Coupling Inserts ¼" Flow

To Order

PIPE THREAD		STRAIGHT THRU MALE THREAD	SHUTOFF MODEL NO.	LENGTH (inch)	MODEL NO.	LENGTH (inch)
	¼ NPT	FT-PLC240-04	1.25	FT-PLCD240-04	1.51	
	⅜ NPT	FT-PLC240-06	1.25	FT-PLCD240-06	1.40	
	¼" BSPT	FT-PLC240-04BS	1.25	FT-PLCD240-04BS	1.51	
	⅜" BSPT	FT-PLC240-06BS	1.25	FT-PLCD240-06BS	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	FT-PLC400-04	1.78	FT-PLCD400-04	1.78
	— —	8 x 6	FT-PLC400-M8	1.91	FT-PLCD400-M8	1.91
	⅜ 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						
	¼" ID	6.4 ID	FT-PLC420-04	1.91	FT-PLCD420-04	1.91
	⅝" ID	7.9 ID	FT-PLC420-05	1.91	FT-PLCD420-05	1.91
	⅜" ID	9.5 ID	FT-PLC420-06	1.91	FT-PLCD420-06	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	FT-PLC200-04	1.25	FT-PLCD200-04	1.75
	— —	8 x 6	FT-PLC200-M8	1.38	FT-PLCD200-M8	1.68
	⅜ 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						
	¼" ID	6.4 ID	FT-PLC220-04	1.35	FT-PLCD220-04	1.86
	⅝" ID	7.9 ID	FT-PLC220-05	1.35	FT-PLCD220-05	1.86
	⅜" ID	9.5 ID	FT-PLC220-06	1.35	FT-PLCD220-06	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)
	⅜ x 0.250"	9.5 x 6	FT-PLC210-06	1.22	FT-PLCD210-06	1.22
Hose Barb						
	¼" ID	6.4 ID	FT-PLC230-04	1.10	FT-PLCD230-04	1.22
	⅜" ID	9.5 ID	FT-PLC230-06	1.20	FT-PLCD230-06	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. Ordering Examples: FT-PLCD100-04, coupling body, and FT-PLC240-04, insert. FT-PLC120-04, coupling body, and FT-PLCD400-04, insert.</p>						