

# CONVOLUTED PTFE HOSE

RF-CTLP  
RF-CTLPB  
RF-CTLPP  
RF-CTLPPB

Rubber Fab convoluted PTFE hoses offer a non-stick, helically-shaped inner core which minimizes pressure drops and simplifies cleaning. These flexible hoses are designed to transport almost all substances and to withstand the most demanding conditions, including high velocity and pressure surges. The standard PTFE inner core can be replaced with an optional black non-conductive liner. All are available in bulk or fabricated assemblies.

## RF-CTLP – Convoluted Low-Profile PTFE Lined Hose with Braided Stainless Steel Cover



**TUBE:**  
Seamless White  
Convoluted PTFE

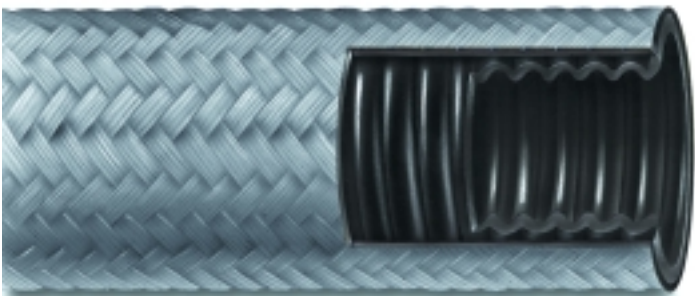
**COVER:**  
Braided Stainless  
Steel

**TEMPERATURE:**  
-100°F to 450°F

Part Number	I.D.	O.D.	Working Pressure*	Vacuum (In. Hg)	Bend Radius
08RFCTLP	.50	.750	1750 psi	29.9	1.75"
12RFCTLP	.75	1.125	1375 psi	29.9	2.25"
16RFCTLP	1.0	1.313	1000 psi	29.9	2.75"
24RFCTLP	1.5	1.90	650 psi	29.9	3.75"
32RFCTLP	2.0	2.425	600 psi	5.0	6.5"
48RFCTLP	3.0	3.7	175 psi	5.0	10.0"
64RFCTLP	4.0	5.0	150 psi	5.0	12.0"

\*at 68°F

## RF-CTLPB – Convoluted Low Profile Black Conductive PTFE Lined Hose with Braided Stainless Steel Cover



**TUBE:**  
Seamless Black  
Conductive  
Convoluted PTFE

**COVER:**  
Braided Stainless  
Steel

**TEMPERATURE:**  
-100°F to 450°F

Part Number	I.D.	O.D.	Working Pressure*	Vacuum (In. Hg)	Bend Radius
08RFCTLPB	.50	.750	1750 psi	29.9	1.75"
12RFCTLPB	.75	1.125	1375 psi	29.9	2.25"
16RFCTLPB	1.0	1.313	1000 psi	29.9	2.75"
24RFCTLPB	1.5	1.90	650 psi	29.9	3.75"
32RFCTLPB	2.0	2.425	600 psi	5.0	6.5"
48RFCTLPB	3.0	3.7	175 psi	5.0	10.0"
64RFCTLPB	4.0	5.0	150 psi	5.0	12.0"

\*at 68°F



## RF-CTLPP – Convoluted Low Profile PTFE Lined Hose with Braided Polypropylene Cover



**TUBE:**  
Seamless White PTFE

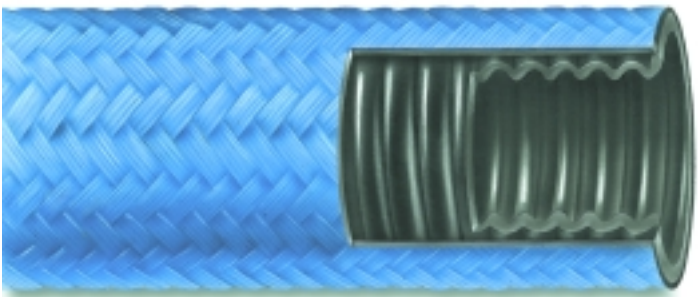
**COVER:**  
Braided Blue Polypropylene

**TEMPERATURE:**  
-40°F to 250°F

Part Number	I.D.	O.D.	Working Pressure*	Weight Per Foot	Vacuum (In. Hg)	Bend Radius
08RFCTLPP	.50	.950	250 psi	.120	29.9	1.75"
12RFCTLPP	.75	1.27	250 psi	.250	25	2.25"
16RFCTLPP	1.0	1.55	250 psi	.300	22	2.75"
24RFCTLPP	1.5	2.01	200 psi	.530	14	7.0"
32RFCTLPP	2.0	2.55	200 psi	.900	5.0	9.0"
48RFCTLPP	3.0	3.75	200 psi	1.42	5.0	10"

\*at 68°F

## RF-CTLPPB – Convoluted Low Profile Black Conductive PTFE Lined Hose with Braided Polypropylene Cover



**TUBE:**  
Seamless Black Conductive PTFE

**COVER:**  
Braided Blue Polypropylene

**TEMPERATURE:**  
-40°F to 250°F

Part Number	I.D.	O.D.	Working Pressure*	Weight Per Foot	Vacuum (In. Hg)	Bend Radius
08RFCTLPPB	.50	.950	250 psi	.120	29.9	1.75"
12RFCTLPPB	.75	1.27	250 psi	.250	25	2.25"
16RFCTLPPB	1.0	1.55	250 psi	.300	22	2.75"
24RFCTLPPB	1.5	2.01	200 psi	.530	14	7.0"
32RFCTLPPB	2.0	2.55	200 psi	.900	5.0	9.0"
48RFCTLPPB	3.0	3.75	200 psi	1.42	5.0	10"

\*at 68°F

### Approvals

- 3A Sanitary
- USP Class VI
- FDA 21 CFR 177.1550

### RF-CTLP/RF-CTLPB Features

- Lower convolutions for minimal pressure drop and ease of cleaning
- Inner core is convoluted non-stick PTFE
- Outer cover is stainless steel braid overwrap
- Non-stick contact surface will not contaminate contacted substances
- Not affected by weather and will not age in service within the recommended temperature and pressure ratings
- Withstands high velocity and pressure surges
- Unaffected by continuous flexing or vibration when used in accordance with minimum bend radius specifications
- Autoclavable and steam-cleanable
- Available in bulk or fabricated assemblies
- Available with carbon conductive liner

### RF-CTLPP/RF-CTLPPB Features

- Inner core is low profile convoluted white PTFE
- Outer cover is bonded with a PTFE fiberglass braid and overbraid with a polypropylene monofilament
- Each monofilament strand is twisted for abrasion and chemical-resistance
- Full vacuum rating on all sizes at 70°F
- Will not conduct internal heat as quickly as metallic braided hoses
- Conveys most all substances and withstands the environmental conditions in which it operates
- Available conductive liner for static dissipation
- Ease of cleanability
- Available in bulk or fabricated assemblies

### Applications

- Food processing
- Pharmaceutical processing
- Cosmetics
- Hot CIP solutions
- Chemical products
- Low pressure steam applications

### Connections

- Broad variety fittings in 316L Stainless Steel, PTFE encapsulated or non-metallic materials
- Electropolished Stainless Steel fittings available
- Crimped fittings available in other high quality alloys
- Available with etched date or purchase order number on crimp collars

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