

# HTFL High Temperature Diesel Fuel Line Tubing

## Parflex FL Tubing:

Nylon tubing designed for use in tractor, trailer and other mobile fuel systems.

- Heat and light stabilized.
- 100% quality controlled - 100% pressure tested.
- Reduces weight and labor in comparison with hose and hardline tubing.
- For use in D.O.T. diesel fuel applications.
- For use with Parker Prestomatic diesel fuel fittings.
- **Do not exceed temperature and pressure ranges.**

## Diesel Fuel Tubing:

Heat and light stabilized seamless extruded nylon core reinforced with fibrous reinforcement and a bonded protective blue nylon cover sheath.

Part No.	Reel Length ft.	Nom. Tube O.D. in.	Nom. Tube I.D. in.	Min. Bend Radius in.	Weight lbs. Per 100 ft.
<b>#</b>					
PFT-4A-XXX-1000-FL	1000	1/4	.170	1.00	1.21
PFT-6B-XXX-500-FL	500	3/8	.251	1-1/2	2.71
PFT-8B-XXX-500-FL	500	1/2	.376	2	3.89
PFT-10B-XXX-250-FL	250	5/8	.441	2-1/2	7.04
PFT-12B-XXX-250-FL	250	3/4	.566	3	8.57

**Temperature Range:**  
-40°F to +200°F (-40°C to +93°C).  
**Maximum Working Pressure:**  
**150PSI Contact Parflex**  
**Division for application review**

xxx represents color code.  
Standard color: blue (BLU).  
Consult Division for additional colors.

## HTFL Diesel Fuel Line Tubing (High Temperature)

Part No.	Nom. Tube O.D. in.	Nom. Tube O.D. in.	Nom. Wall Thickness	Max. Working Pressure at 73° F	Min. Burst Pressure at 73° F PSI	Min. Bend Radius in.	Weight Lbs. Per ft.	Reel Length ft.
<b>#</b>								
HTFL-6B-BRN-500	3/8	.251	.062	175	1,400	1-1/2	.028	500
HTFL-8B-BRN-500	1/2	.376	.062	155	950	2	.039	500
HTFL-10B-BRN-250	5/8	.441	.092	140	900	2-7/8	.071	250
HTFL-12B-BRN-250	3/4	.566	.092	150	800	3	.086	250

**Tube:** High temperature and chemical resistant special polyamide  
**Reinforcement:** High strength yarn fiber  
**Cover:** High temperature and UV resistant special polyamide  
**Cover Color:** Brown (other colors, contact Parflex)  
**Temperature Range:** -50°F to + 266°F (-46°C + 130°C) 28 inches Hg  
**Vacuum Rating:** 28 inches Hg  
**Fittings:** \*Parker NTA series brass compression fittings

## Parker Fluid Connectors Group North American Divisions & Distribution Service Centers

**Your complete source** for quality tube fittings, hose & hose fittings, brass & composite fittings, quick-disconnect couplings, valves and assembly tools, locally available from a worldwide network of authorized distributors.

**Fittings:**  
Available in inch and metric sizes covering SAE, BSP, DIN, GAZ, JIS and ISO thread configurations, manufactured from steel, stainless steel, brass, aluminum, nylon and thermoplastic.

**Hose, Tubing and Bundles:**  
Available in a wide variety of sizes and materials including rubber, wire-reinforced, thermoplastic, hybrid and custom compounds.

**Worldwide Availability:**  
Parker operates Fluid Connectors manufacturing locations and sales offices throughout North America, South America, Europe and Asia-Pacific.

**For information,** call toll free...

**1-800-C-PARKER**  
**(1-800-272-7537)**

### North American Divisions

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## Diesel Fuel Solutions

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www.parker.com/fcg

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## Diesel Fuel Fittings Solutions

### DF:

- Push-to-Connect Solution
- Elastomeric Seal
- Targeted for tank to firewall and chassis routings
- Not for engine temperatures
- For use with PFTFL tubing
- -40°F to 200°F (-40C to 93C)
- Maximum working pressure 150psi
- Electroless Nickel plated for >20% biodiesel applications



### Safe Lock:

- Meets SAE J2044
- Push-to-Connect with locking mechanism
- Operating Pressure up to 72 psi ( 5 bar)
- Operating Vacuum down to -7.2 psi (-.5 bar)
- 40°F to 239°F
- Fluorocarbon & Fluorosilicone seal
- Composite body
- For use with 389 Super Flex FL-7 fuel line hose  
Please contact Industrial Hose Products Division for clamp specifications



### NTA:

- Compression solution
- <B20% biodiesel applications
- Electroless Nickel plated for >B20% biodiesel
- For use with HTFL tubing
- -50°F to 266°F (-46C to 130C)



## Diesel Fuel Fittings Solutions

### Vibra-Lok:

- Commonly used in engine applications
- Elastomeric seal
- Excellent vibration resistance
- Fluorocarbon sleeve available for high temperature
- Wide range of tubing
- -15 to +450F with fluorocarbon sleeve
- -30 to +275F with Buna N Sleeve



### 45° Flare:

- Resists mechanical pullout
- Meets functional requirements of SAE J512 and J513
- UL Listing
- Resists vibration – Long nut
- Wide range of tubing  
- Copper, Aluminum, Welded steel hydraulic tubing that can be flared
- 550 to 2800 psi - depending on tubing and wall thickness
- -65° to +250°F



### Inverted Flare:

- Resists mechanical pullout
- Meets functional requirements of SAE J512
- UL Listing
- Zinc Chromate steel nut available
- Wide range of tubing  
- Copper, Aluminum, Welded steel hydraulic tubing that can be flared
- 550 to 2800 psi - depending on tubing and wall thickness
- -65° to +250°F



## Series 389 SUPER-FLEX FL-7 Barrier Fuel Line Hose

### Diesel Fuel Hose:

**Tube:** Nitrile with translucent THV barrier

**Reinforcement:** Multiple aramid plies

**Cover:** Black CPE, smooth finish

**Temp Range:** -40°F to +257°F (-40°C to +125°C)

**Brand Method:** White ink

**Brand Example:** PARKER SERIES 389 SUPER-FLEX® FL-7 (ID) SAE J30R7/R14T2 FUEL LINE (YEAR CODE) PKHPLINE389 EPA COMPLIANT 15 g/m<sup>2</sup>/day CARB Q-08-013 MAX WP 50 PSI USA (DATE CODE)

**Design Factor:** 5:1

**Industry Standards:** SAE J30R7, SAE J30R14T2, CARB 2006 SORE

**Applications:**

- Low pressure fuel lines on blowers, grinders, mowers, off-road engines, pressure washers, saws
- Agricultural equipment, autos, busses, construction equipment, off-road equipment

**Vacuum:** 24" Hg (3/16" through 3/8" ID); 10" Hg (1/2" through 3/4" ID)

**Compare To:** Avon Greenbar 700, Gates 4219B

Part No.	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt. (lbs/ft)	Approx Wt. (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Max Rec WP (bar)
38904	1/4	6.4	2	0.500	12.7	0.09	0.04	1.5	38.1	50	3.4	250
38905	5/16	7.9	2	0.562	14.3	0.11	0.05	2.0	50.8	50	3.4	250
38906	3/8	9.8	2	0.625	15.8	0.12	0.05	2.5	63.5	50	3.4	250
38908	1/2	12.7	2	0.781	19.8	0.18	0.08	4.0	101.6	50	3.4	250
38910	5/8	15.9	2	0.938	23.9	0.24	0.11	5.0	127.0	35	3.4	250

**Warnings:** Refer to CrimpSource at [www.safehose.com](http://www.safehose.com) for coupling recommendations and crimp specifications.



Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working ressure of the hose.

## Diesel Fuel Fitting-Hose/Tube Capability

Product	Fitting Temperature	Fitting Max Pressure	Type	Size	389 Super Flex Fuel Hose -40°F to 257°F	HTFL Tubing -50°F to 266°F	PFT-FL Tubing -40°F to 200°F	Copper, Steel, Stainless Tubing
DF	-40°F to 200°F	140psi	Push to Connect	1/2" and 5/8"				
Hose Barb	-40°F to 257°F	50psi	Barb	3/16" to 1 1/2"				
NTA	-50°F to 266°F	140psi	Compression	1/4" to 3/4"				
Safe Lock (SAE J2044)	-40°F to 239°F	72psi	Push to Connect	1/4" to 5/8"				
Vibra Lok	-30°F to 275°F	100psi	Compression	1/8" to 3/4"				

Approved Application