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## Thermoplastik- & Fluorpolymerprodukte

Mobil- und Nutzfahrzeuge

Bremsleitungen, Dieselkraftstoffleitungen,

*Katalog CAT 4660/USA 01/12(2)*



# KATALOG

### Vertrieb

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### Technischer Außendienst

Herr Burkhardt

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# 1120 Nylon Air Brake Tubing



## Features

- 100% Pressure Tested
- Excellent UV Stability
- Abrasion Resistant
- Kink Resistant

## Certifications

- Meets SAE Specification J844
- Meets DOT FMVSS 49CFR 571.106

## Applications



- Air brake lines

Part Number	Tube O.D.	Outside Diameter		Inside Diameter		Nominal Wall Thickness		Burst Pressure at 73°F / 23°C		Minimum Bend Radius		Weight		Standard Reel		Standard Pallet		
		inch	mm	inch	mm	inch	mm	psi	bar	inch	mm	lbs./100 ft.	kg./31 mtr.	feet	meter	feet	meter	
#																		
1120-2A-XXX-1000	1/8	.125	3.2	.079	2.0	.023	0.6	1000	69.0	.370	9.4	.340	.154	1000	305	24,000	7315	
1120-2.5A-XXX-1000	5/32	.156	4.0	.092	2.3	.032	0.8	1200	82.7	.500	12.7	.570	.259	1000	305	24,000	7315	
1120-3A-XXX-1000	3/16	.188	4.8	.118	3.0	.035	0.9	1200	82.7	.750	19.1	.770	.349	1000	305	24,000	7315	
1120-4A-XXX-1000	1/4	.250	6.4	.170	4.3	.040	1.0	1200	82.7	1.00	25.4	1.21	.549	1000	305	24,000	7315	
1120-5A-XXX-500	5/16	.313	7.9	.232	5.9	.040	1.0	1000	69.0	1.25	31.8	1.57	.712	500	152	12,000	3658	
1120-6B-XXX-500	3/8	.375	9.5	.251	6.4	.062	1.6	1400	96.5	1.50	38.1	2.70	1.22	500	152	12,000	3658	
1120-8B-XXX-500	1/2	.500	12.7	.376	9.6	.062	1.6	950	65.5	2.00	50.8	3.90	1.77	500	152	6,000	3658	
1120-10B-XXX-250	5/8	.625	15.9	.441	11.2	.092	2.3	900	62.1	2.50	63.5	7.00	3.18	250	76	3,000	914	
1120-12B-XXX-250	3/4	.750	19.1	.566	14.4	.092	2.3	800	55.2	3.00	76.2	8.60	3.90	250	76	3,000	914	

XXX represents color code.

## Construction

Material:  
Type A - Single-wall extruded Nylon (polyamide)

Type B - Nylon (polyamide) core, fiber reinforcement, Nylon (polyamide) jacket/sheath

## Operating Parameters

Temperature Range:  
-40°F to +200°F (-40°C to +93°C)  
Working Pressure: 150 psi (10.3 bar)

## Fittings

Parker Fittings available from:  
Fluid System Connectors Division  
Otsego, MI  
(269) 692-6555  
(269) 694-4614 FAX

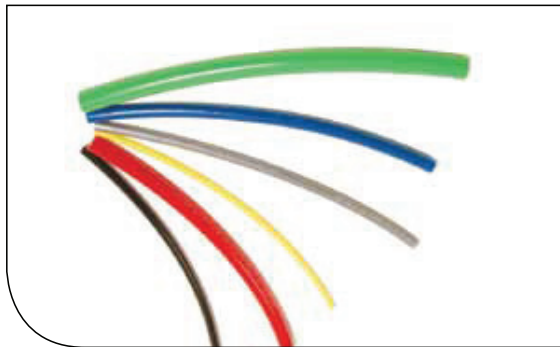
FSC Product Families:

- NTA
- PMT
- PTC

## Colors

Color Code		
	BLK	Black
	BLU	Blue
	BRN	Brown
	GRN	Green
	ORG	Orange
	PUR	Purple
	RED	Red
	SIL	Silver
	TAN	Tan
	YEL	Yellow
	WHT	White

# 1320 Quantum® Elastomeric Air Brake Tubing



## Features

- 100% Pressure Tested
- Excellent UV Stability
- Abrasion Resistant
- Kink Resistant

## Certifications

- Meets or exceeds the performance requirements of DOT 49CFR571.106 and SAE J844

## Applications



- Air brake lines

Part Number	Tube O.D.		Outside Diameter		Inside Diameter		Nominal Wall Thickness		Burst Pressure at 73°F / 23°C		Minimum Bend Radius		Weight		Standard Reel		Standard Pallet	
	inch	mm	inch	mm	inch	mm	inch	mm	psi	bar	inch	mm	lbs./100 ft.	kg./31 mtr.	feet	meter	feet	meter
1320-6B-XXX-500	3/8	.375	9.5	.251	6.4	.062	1.6	1400	96.5	1.50	38.1	2.70	1.22	500	152	12,000	3658	
1320-8B-XXX-500	1/2	.500	12.7	.376	9.6	.062	1.6	950	65.5	2.00	50.8	3.90	1.77	500	152	6,000	3658	

XXX represents color code.

## Construction

Material: Proprietary elastomeric material  
Type B – Proprietary, reinforced design

## Operating Parameters

Temperature Range:  
-40°F to +200°F (-40°C to +93°C)  
Working Pressure: 150 psi (10.3 bar)

## Fittings

Parker Fittings available from:  
Fluid System Connectors Division  
Otsego, MI  
(269) 692-6555  
(269) 694-4614 FAX

FSC Product Families:

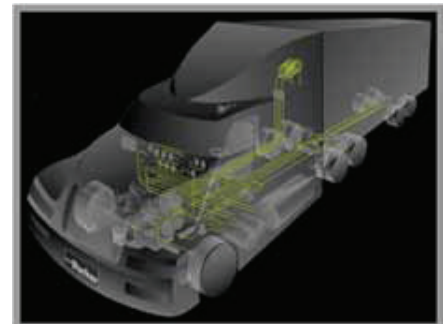
- NTA
- PMT
- PTC

## Colors

Color Code		
●	BLK	Black
●	BLU	Blue
●	BRN	Brown
●	GRN	Green
●	ORG	Orange
●	RED	Red
●	SIL	Silver
●	YEL	Yellow

## Order Information

To order 1120 or 1320 Air Brake Tubing, add color code and reel length to specify part number. ie.  
1120-4A-BLK-1000 **Typical order examples:**  
**24,000 feet, 1120-4A-BLK-1000** - Product ordered is 1/4" O.D. Black Air Brake Tubing, (24) 1000-foot reels of tubing on 1 pallet.  
**500 feet, 1120-10B-RED-250** - Product ordered is 5/8" O.D. Red Air Brake Tubing, (2) 250-foot reels of tubing in boxes.



For detailed ordering information, please consult price list or contact Parflex® Division.

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D-5

# Parflex Diesel Fuel Tubing



## Features

- Nylon tubing designed for use in tractor, trailer and other mobile fuel systems
- Heat and light stabilized
- 100% quality controlled - 100% pressure tested
- Saves weight and labor in comparison with hose and hard-line tubing

## Approvals

- Compatible with JP-5 (MIL-DTL-5624) and JP-8 (MIL-DTL-83133)
- Compatible with Biodiesel per Parflex PPB PL-18 hard-line tubing

## Applications



- D.O.T. diesel fuel applications

Part Number	Nominal Tube O.D.		Nominal Tube I.D.		Minimum Bend Radius		Weight		Standard Reel	
	inch	mm	inch	mm	inch	mm	lbs./ft.	kg./mtr.	feet	meter
#										
PFT-4A-XXX-1000-FL	1/4	6	.170	4	1	25	.012	.005	1000	305
PFT-6B-XXX-500-FL	3/8	10	.251	6	1-1/2	38	.027	.012	500	152
PFT-8B-XXX-500-FL	1/2	13	.376	10	2	51	.039	.018	500	152
PFT-10B-XXX-250-FL	5/8	16	.441	11	2-1/2	64	.070	.032	250	76
PFT-12B-XXX-250-FL	3/4	19	.566	14	3	76	.086	.039	250	76

XXX represents color code.

## Construction

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

## Operating Parameters

Temperature Range:

-40°F to +200°F (-40°C to +93°C)

Maximum Working Pressure: 150 psi (10.3 bar)

Do not exceed temperature and pressure ranges

## Color

- BLU

Blue is standard

Consult division for additional colors

## Fittings

Parker Fittings available from:

Fluid System Connectors Division  
Otsego, MI  
(269) 692-6555  
(269) 694-4614 FAX

FSC Product Families:

- NTA
- DF (Diesel Fuel Only)

## Notes

Contact Parflex Division for application review

# HTFL Diesel Fuel Line Tubing (High-Temperature)



## Features

- Heat and UV stabilized
- For use in high temperature applications
- 100% Pressure Tested
- Lightweight
- Pre-formed tubes available

## Applications



Part Number	Nominal Tube O.D.		Nominal Tube I.D.		Nominal Wall Thickness		Working Pressure		Minimum Burst at 73°F /23°C		Minimum Bend Radius		Weight		Standard Reel	
	inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	lbs./ft.	kg./mtr.	feet	meter
HTFL-6B-BRN-500	3/8	10	.251	6	.062	1.6	175	12.1	1,400	96.5	1-1/2	38	.028	.013	500	152
HTFL-8B-BRN-500	1/2	13	.376	10	.062	1.6	155	10.7	950	65.5	2	51	.039	.018	500	152
HTFL-10B-BRN-250	5/8	16	.441	11	.092	1.6	140	9.7	900	62.1	2-7/8	73	.071	.032	250	76
HTFL-12B-BRN-250	3/4	19	.566	14	.092	1.6	150	10.3	800	55.1	3	76	.086	.039	250	76

## Construction

Tube: High-temperature and chemical-resistant special polyamide

Reinforcement: High-strength yarn fiber

Cover: High-temperature and UV-resistant special polyamide

## Operating Parameters

Temperature Range:  
-50°F to +266°F (-46°C to +130°C)

Vacuum Rating: 28 inch Hg

## Fittings

Parker Fittings available from:  
Fluid System Connectors Division  
Otsego, MI  
(269) 692-6555  
(269) 694-4614 FAX

FSC Product Families:

NTA

## Color

● BRN

Brown is standard

Consult division for additional colors

## Notes

Compatible with JP-5 (MIL-DTL-5624) and JP-8 (MIL-DTL-83133)

Compatible with Biodiesel per Parflex PPB PL-18

For detailed ordering information, please consult price list or contact Parflex® Division.

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D-7

A Hose

B Tubing

C Collet Air Hose & Fittings

D Transportation

F Fittings

F Tooling, Equipment & Accessories

G General Technical

# Custom Harness, Bundles & Tubing

## Order Information

Several different harnesses may be required on a single unit depending upon the model of the vehicle, wheel base and options available. To determine your harness application needs:

- 1. Recognize the cost savings** available to you through the use of harnesses. How many dollars will be saved on tubing installation alone? On scrap reduction?
- 2. Call Parker.** Have one of our application engineers study your application.
- 3. Have Parker engineers design and build a prototype** harness for your approval.
- 4. Approve the prototype** as our basis to engineer your production model harness.
- 5. Implement the harness** into your Purchasing and Production systems – one harness, one part number instead of multiple part numbers you once had for each air brake line.

## Features

- Preformed, pre-bundled tubing or hose custom designed to reduce installation time and improve throughput
- Your production line will run faster and be virtually free from tubing scrap
- Individual tubes are pre-cut and assembled into a single unit

## Certifications

- Designed and engineered to meet the exacting requirements of each bus or truck manufacturer for each vehicle
- The air brake tubing used in a Parflex Harness conforms to SAE J844 type 3A and 3B and also D.O.T. FMVSS 106

## Tubing

### Construction

Tube: Nylon Air Brake Tubing

### Operating Parameters

Temperature Range: -40°F to +200°F (-40°C to +93°C)

Working Pressure: 150 psi (10.3 bar)

### Options

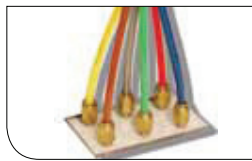
Each tube can be color-coded and/or numbered

Each harness may contain any number of tube sizes ranging from 1/8" O.D. to 3/4" O.D.

The harness can be supplied with special clamps, brackets and fittings to meet any need required by the customer

## Hose

Contact Parflex Customer Service for custom formed hoses and hose assemblies



### Cut Tubes

Any tube offered by Parflex can be cut-to-length, with options for additional marking



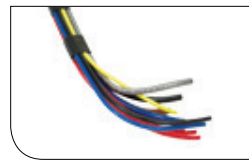
### Formed Tubes

Tubes can be formed into shapes for ease of installation



### Jacketed Bundles

Two or more tubes can be bundled together with an extruded thermoplastic jacket



### Straight Harnesses

Combine multiple cut tubes into a harness built specifically for your application



### Formed Harnesses

Combine multiple formed tubes to create a repeatable tubing routing solution



### Formed Assemblies

Most Parflex thermoplastic hoses can be formed into application specific shapes

For detailed ordering information, please consult price list or contact Parflex® Division.

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D-13

A  
Hose

B  
Tubing

C  
Coiled Air Hose  
& Fittings

D  
Transportation

E  
Fittings

F  
Tooling, Equipment  
& Accessories

G  
General Technical

# SCR Hose Assemblies for Tier IV Compliance



## Features

- Consistent thaw - more reliable than coolant heated lines
- Multiple options available to fit every application
- Protective Overmolding
  - Protection against water ingress and damage of electrical components
  - Bolsters fitting strength and impact resistance
- Corrugated heat shield offers abrasion and heat resistance
- Assembled and designed in USA

## Certifications

- Parflex Division is third party certified for ISO 14001 and TS 16949

## Applications



- Diesel Exhaust Fluid Conveyance

### Keeping the Air We Breath Clean

With Electrically Heated SCR Hose Assemblies from Parker's Parflex Division, a cleaner exhaust system means a cleaner environment. Designed for heating and conveying DEF (Diesel Exhaust Fluid) throughout the SCR system on commercial vehicles, Parflex hoses are made to handle both on-road and off-road applications while helping you stay Tier IV and EPA '10 compliant. Combine these hoses with other high value Parflex fluid conveyance products (pilot lines, grease lines, hydraulic hoses, etc.) so your customer can enjoy best in class durability and performance.

Unlike the competition's electrically heated hose, Parflex SCR hoses encapsulate the heating elements with an extruded sheath for added protection and long-lasting uniform heating. The overmold on the fittings provide impact and water resistance, making the hoses suitable for multiple environments.

Each configuration utilizes materials specifically formulated for their application. All Parflex SCR hose assemblies have multiple options, allowing customization by the equipment manufacturer/end user.

*Both styles available with 6mm I.D.  
Please contact Parflex for other hose internal diameters, custom requirements or non-purge systems.*

**Contact Parflex for 3mm or 4mm I.D. nylon lines, or 4mm or 5.5mm EPDM lines. Other custom designs available!**

*Check [www.scrhose.com](http://www.scrhose.com) for product updates*

## S0/S1

Suction/Throttle Line Design



### Parflex SCR Hose Assembly Polyamide Suction/Throttle Line

- Polyamide core tube with fabric reinforcement
- Extruded thermoplastic jacket
- Optional heat/abrasion shield

### Certifications

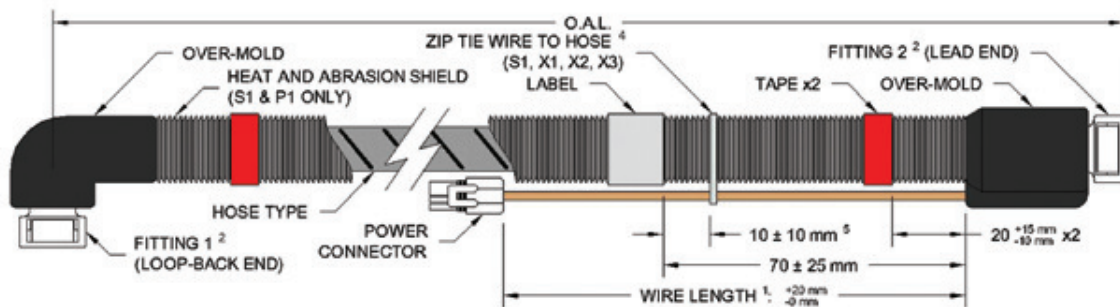
- TS 16949
- ISO 14001

Base Part Number	Nominal I.D.		O.D.		with Shield (opt)		Max. Oper. Pressure		Min. Burst Pressure		Vacuum Resistance		Bend Radius		Standard Lengths*
	mm	inch	mm	inch	mm	inch	psi	bar	psi	bar	inch	Hg/bar	inch	mm	mtr
S0	6	.24	14	.55	NA	NA	145	10	600	40	8.9	300m	2	51	1/2, 1, 1-1/2 or 2
S1	6	.24	14	.55	21	.827	145	10	600	40	8.9	300m	2	51	1/2, 1, 1-1/2 or 2

\*Please contact Parflex for overall lengths other than those listed. Nonstandard lengths are available.

### Operating Parameters

- Temperature Range: -40°F to 158°F (-40°C to 70°C)  
Spikes to 221°F (105°C)
- Available in 12VDC or 24VDC design



## P1

Pressure Line Design



### Parflex SCR Hose Assembly Polyamide Pressure Line

- Specialty high temperature polyamide core with fabric reinforcement
- Stainless steel heating wire
- Extruded high temperature thermoplastic jacket
- Heat/abrasion shield

Base Part Number	Nominal I.D.		w/ Heat Shield		Max. Oper. Pressure		Min. Burst Pressure		Bend Radius		Standard Lengths*
	mm	inch	mm	inch	psi	bar	psi	bar	inch	mm	mtr
P1	6	.24	21	.82	189	13	600	40	2	51	1, 2 or 3

\*Please contact Parflex for overall lengths other than those listed. Nonstandard lengths are available.

### Operating Parameters

- Temperature Range: -40°F to 248°F (-40°C to 120°C)  
Spikes to 284°F (140°C)
- Available in 12VDC or 24VDC design

For detailed ordering information, please consult price list or contact Parflex® Division.

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D-15

A  
Hose

B  
Tubing

C  
Coiled Air Hose & Fittings

D  
Transportation

E  
Fittings

F  
Tooling, Equipment & Accessories

G  
General Technical