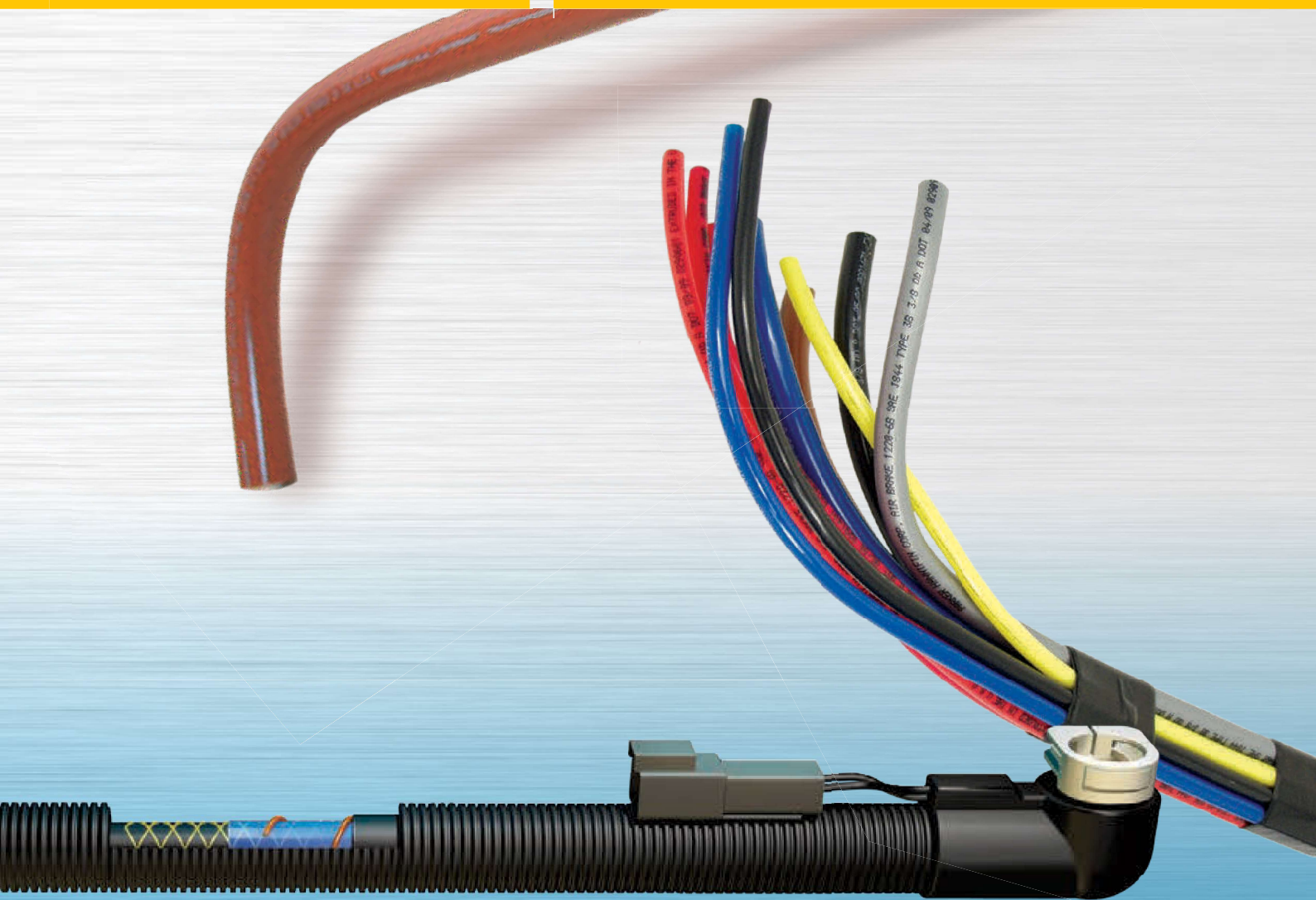




# Transportation



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## Transportation Visual Index

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# Parflex Transportation Products

Hose  
A

B Tubing

C Coiled Air Hose  
& Fittings

D Transportation

E Fittings

F Tooling,  
Equipment  
& Accessories

G General  
Technical



Formed Dash Harnesses  
Transmission Air Shift Bundles  
Cab Tilt Lines

Air Brake Tubing  
Air Brake Harnesses



Slider Coils  
Tire Inflation Hoses



Brake Coils



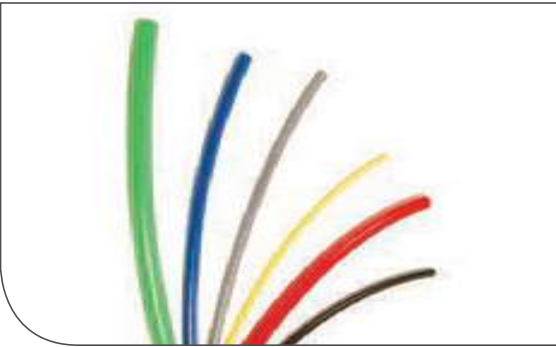
Heated SCR Hose  
Fuel Tubing  
High Temp Fuel Lines



PTFE Hose  
Compressor  
Discharge  
Lines

Formed Diesel Fuel  
Tubing

# 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  
\*2A, 3A, and 5A are not DOT sizes

## Applications/Markets



- 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	inch	mm	inch	mm	inch	mm	psi	bar	inch	mm	lbs./100 ft.	kg./31 mtr.	feet	meter	feet	meter
PFT-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
PFT-2.5-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
PFT-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
PFT-5A-BLK-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

Note: \*2A, 3A, and 5A are not DOT sizes      XXX represents color code

## Construction

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

Type B – Nylon (polyamide) core, fiber reinforcement,  
Nylon (polyamide) cover/sheath

## Operating Parameters

Temperature Range:  
-40°F (-40°C) to +200°F (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      ▪ Air Brake
- Prestomatic    ▪ 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



### WARNING

This product can expose you to chemicals including Nickel compounds, which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



# 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/Markets



- 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-BLU-1000-FL	1/4	6	.170	4	1	25	.012	.017	1000	305
PFT-6B-BLU-500-FL	3/8	10	.251	6	1-1/2	38	.027	.040	500	152
PFT-8B-BLU-500-FL	1/2	13	.376	10	2	51	.039	.058	500	152
PFT-10B-BLU-250-FL	5/8	16	.441	11	2-1/2	64	.070	.104	250	76
PFT-12B-BLU-250-FL	3/4	19	.566	14	3	76	.086	.128	250	76

## 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 (-40°C) to +200°F (93°C)

Maximum Working Pressure: 150 psi (10.3 bar)

Do not exceed temperature and pressure ranges

## Color

- BLU

## 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)



### WARNING

This product can expose you to chemicals including Nickel compounds, which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# HTFL Diesel Fuel Line Tubing (High-Temperature)



## Features

- Heat and UV stabilized
- For use in high temperature applications
- 100% pressure tested
- Light weight
- Pre-formed tubes available

## Applications/Markets



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	.041	500	152
HTFL-8B-BRN-500	1/2	13	.376	10	.062	1.6	155	10.7	950	65.5	2	51	.039	.058	500	152
HTFL-10B-BRN-250	5/8	16	.441	11	.092	2.3	140	9.7	900	62.1	2-7/8	73	.071	.106	250	76
HTFL-12B-BRN-250	3/4	19	.566	14	.092	2.3	150	10.3	800	55.1	3	76	.086	.128	250	76

## Construction

Tube: High-temperature and chemical-resistant special polyamide

Reinforcement: High-strength yarn fiber

Cover: High-temperature and UV-resistant special polyamide

## Color

● BRN

## Operating Parameters

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

Vacuum Rating: 28 inch Hg

## Notes

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

Compatible with Biodiesel per Parflex PPB PL-18

## Fittings

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

FSC Product Families:

NTA

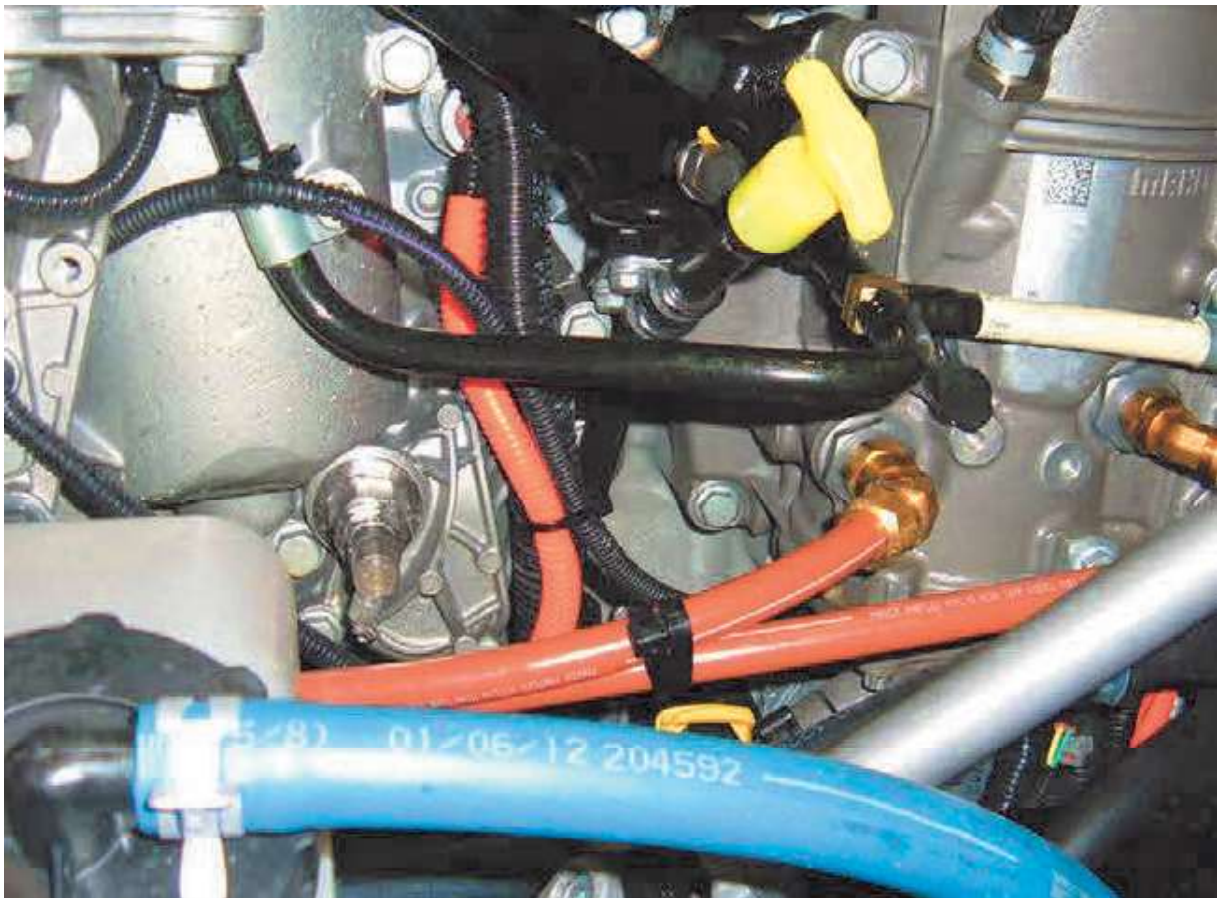


### WARNING

This product can expose you to chemicals including Nickel compounds, which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



**HTFL fuel tubing can be formed for easy installation in tight spaces.**



A Hose

B Tubing

C Coiled Air Hose  
& Fittings

D Transportation

E Fittings

F Tooling,  
Equipment  
& Accessories

G General  
Technical

# BrakCoil®



## Features

- Tractor-to-trailer coiled nylon air-brake connections
- Maintenance-free performance - designed for trouble-free service on your rig
- Years of city delivery and line haul testing
- Heavy-duty plated spring guards are rust-resistant for added protection
- More coils offer you maximum working lengths
- No need for pogo sticks or spring hangers
- Color coding gives you mistake-free hook-ups – blue for service, red for emergency


## Certifications

- Meets or exceeds SAE J844 and D.O.T. FMVSS 106 Specifications at -70°F to +200°F

## Applications/Markets



- Tractor to Trailer

Kit Coil Number	Individual Coil Part Number	Tube O.D.		Valve Tail Length		Brass Male Ends (NPT)				Working Length		Number of Coils
						Valve		Gladhand				
#	#											
		inch	mm	inch	mm	inch	mm	inch	mm	feet	meter	
731516	731512-RED 731512-BLU	-8	13	12	305	1/2	13	1/2	13	15	4.6	21-1/2
751597	731611-RED 731611-BLU	-8	13	12	305	3/8	10	1/2	13	15	4.6	21-1/2
731522	731513-RED 731513-BLU	-8	13	40	1016	1/2	13	1/2	13	15	4.6	21-1/2
741526	731612-RED 731612-BLU	-8	13	40	1016	3/8	10	1/2	13	15	4.6	21-1/2
751641	741590-RED 741590-BLU	-8	13	6	152	1/2	13	1/2	13	12	3.7	18-1/2
751655	751656-Blk Black Only	-8	13	6	152	3/8	10	1/2	13	12	3.7	18-1/2

## Order Information

BRAKCOIL® kits are supplied complete – **Parker pre-assembled**, with everything needed, including spring guards and male pipe NTA brass fittings, **ready to install**. Special pipe thread sealant is factory applied. No cutting or assembly necessary. Just attach the gladhands (sold separately or pre-assembled). They are available in kits or as separate lines. A kit consists of both a red and blue tube assembly.



### WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## Construction

Tube: Coiled Nylon Air Brake Tubing

## Operating Parameters

Temperature Range:  
-70°F (-57°C) to +200°F (93°C)

## Options

Extended BRAKCOIL® handle available, part no. 771164

Gladhands available

- BLU – Part # GH9211
- RED – Part # GH9212



# SliderCoil™



## Features

- Used between an adjustable rear trailer axle and the final point on a trailer chassis
- No need to install springs or hangers
- Will retract to its original shape even after long periods of extended use


## Certifications

- Meets or exceeds SAE J844 and D.O.T. FMVSS 106 Specifications at -70°F to +200°F

## Applications/Markets



- Tractor Trailers (Sliding)
- Tractor Trailers (Axles)

Kit Coil Number	Individual Coil Part Number	Tube O.D.		Valve Tail Length		Brass Male Ends (NPT)				Working Length		Number of Coils
						Valve 90° End		Gladhand 180° End				
#	#											
		inch	mm	inch	mm	inch	mm	inch	mm	feet	meter	
751657	751657-BLU, 751657-RED	-8	13	8	13	1/4	6	1/4	6	9	2.7	13-1/2
751659	751659-BLU, 751659-RED	-8	13	8	13	3/8	10	3/8	10	9	2.7	13-1/2

## Order Information

SliderCoil™ kits are supplied complete – **Parker pre-assembled**, with everything needed, including spring guards and male pipe end NTA fittings, **ready to install**. Special pipe thread sealant is factory applied. No cutting or assembly necessary. They are available in kits or as separate lines. A kit consists of both a red and blue coil assemblies.

## Construction

Tube: Coiled Nylon Air Brake Tubing

## Operating Parameters

Temperature Range:  
-70°F (-57°C) to +200°F (93°C)

## Color

- Blue
- Red

## Options

Extended BRAKCOIL® handle available, part no. 771164



### WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# Fifth Wheel Slider Coil



## Features

- Clutter-free hook-up and maintenance-free performance of adjustable length pneumatic tubing for fifth wheel sliding action
- Self-adjusts from 10" to fully extended 74" working length
- Universal, ready for immediate installation
- No maintenance required - stays on the job at peak performance through years of trouble-free life
- Coil set is strong and permanent - Even after prolonged use in fully extended position, coils will retract to shorter length without sagging and eliminating hazards of chafing and wear

## Certifications

- Conforms to SAE Specification J844 Type A
- Meets D.O.T. FMVSS 106

## Applications/Markets



- Double Trailers
- Convert, Dollies

Part Number	Fittings	Pigtail Length		Maximum Extended Length		Retracted Length	
		inch	mm	inch	mm	inch	mm
#							
811537	(2)68NTA-4-4	2	51	74	1880	10	254
811537-NF-BLK	-	2	51	74	1880	10	254

## Order Information

Fifth Wheel Slider Coil part# 811537 comes complete with fittings. Part# 811537-NF-BLK does not include fittings.

## Construction

Tube; 1/4" O.D. extruded Nylon, heat and light stabilized, single wall

## Operating Parameters

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

## Color

- SIL

## Options

Available with or without fittings



### WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# 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.



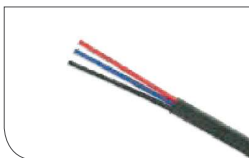
### Cut Tubes

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



#### WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## 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 (all sizes) and also D.O.T. FMVSS 49CFR 571, 106 (Except sizes 2A, 3A and 5A)
- Parflex Division is third party certified for ISO 14001 and TS 16949
- 6mm Nylon, 5.5mm EPDM, and 4mm EPDM are IP6X, IPX8, and IPX9K Certified

## Tubing

### Construction

Tube: Nylon Air Brake Tubing

### Operating Parameters

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

Working Pressure: 150 psi (10.3 bar)

### Options

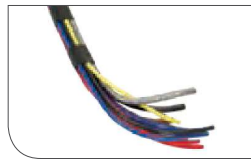
Each tube can be color-coded and/or numbered

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



### 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

# SCR Hose Assemblies for Tier IV Compliance

## Features

- Thermoplastic and EPDM core tubes reinforced for strength and flexibility
- Stainless steel heating wire
- Extruded thermoplastic jacket
- Heated fittings
- Optional heat/abrasion shield
- 100% electrically tested, pressure tested, and cleaned before shipped

## Certifications

- TS 16949
- ISO 14001
- IP6X, IPX8, and IPX9K  
Certified (4mm EPDM,  
5.5mm EPDM, and 6mm Nylon)

## Applications/Markets



**With Parflex Electrically Heated SCR Hose Assemblies,  
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.) and customers can enjoy best in class durability and performance.

**Unlike the competition's  
electrically heated hose,  
Parflex SCR hoses lock-in  
the heating elements with an  
extruded sheath for added  
protection and long-lasting  
uniform heating.**

U.S. Patent No. 8,819,922  
Check [www.scrhose.com](http://www.scrhose.com)  
for product updates





- Protective Overmolding
  - Protection against water ingress and damage of electrical components
  - Bolsters fitting strength and impact resistance
- Thermoplastic and EPDM core tubes reinforced for strength and flexibility
- Stainless steel heating wire
- Extruded thermoplastic jacket
- Heated fittings
- Optional heat/abrasion shield
- 100% electrically tested, pressure tested, and cleaned before shipped

Core Tube Material	I.D.	O.D.	With Heat / Abrasion Shield (optional)	Maximum Operating Pressure		Minimum Burst Pressure		Vacuum Resistance		Bend Radius
	mm	mm		psi	bar	psi	bar	inch	Hg/bar	
EPDM	4	14.5	21	174	12	435	30	14.8	500	30
	5.5	14.5	21	174	12	435	30	14.8	500	40
Nylon	6	14	21	150	10	600	40	8.9	300	40

## Operating Parameters

EPDM Temperature Range: -40°F (-40°C) to +248°F (+120°C) with spikes to +266°F (+130°C)

EPDM 5.5 mm Pressure Range: 174 psi. (12 bar) with spikes to 232 psi (16 bar)

Nylon Pressure Line Temperature Range: -40°F (-40°C) to +248°F (+120°C) with spikes to +284°F(+140°C)

Nylon Suction/Throttle Line Temperature Range: -40°F (-40°C) to +158°F (+70°C) with spikes to +221°F(+105°C)

Available in 12VDC, 24VDC, and unheated

## Certifications

TS 16949

ISO 14001

IP6X, IPX8, and IPX9K Certified (4mm EPDM, 5.5mm EPDM, and 6mm Nylon)

## Notes

EPDM 7.5 mm and 12.3 mm core tubes are available on request in custom configurations.

Standard lengths available in 500 mm increments, ranging from 500 mm (0.5 m) O.A.L. through 6000 mm (6.0 m) in most configurations.



## CUSTOM OPTIONS AVAILABLE

SCR options include, but are not limited to:

- different electrical connectors, including options for heat and abrasion shield over lead wires;
- 1/4, 5/16, and 3/8 fittings; wide variety of lengths;
- 12V or 24V

Parflex also has designs for other sizes and core tubes for SCR hoses. These designs ensure that Parflex hoses can be utilized on SCR systems from multiple suppliers.



### WARNING

This product can expose you to chemicals including Carbon black extracts, Titanium Dioxide which are known to the State of California to cause cancer and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## Notes