



TRANSPORTATION

Air Brake Tubing
Tractor-to-Tractor Coils

Diesel Fuel Tubing

DEF Transfer

Table of Contents

Intro

Transportation Products..... D-3

NOMENCLATURE D-4

Tubing

Air Brake D-5

Custom Transportation TubingD-11

Diesel Fuel D-7

Tractor-to-Trailer Coils

BrakeCoil® D-9

Fifth Wheel SliderD-10



Hose

SCR Hose for DEF Dosing SystemsD-12

Parflex Transportation Products

On-Vehicle Index

A
Hose

B
Tubing

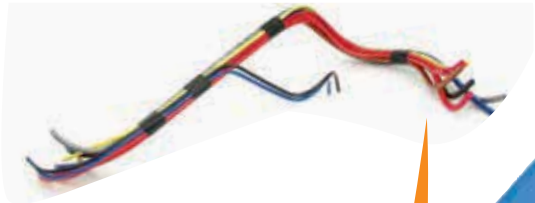
C
Coiled Air Hose
& Fittings

D
Transportation

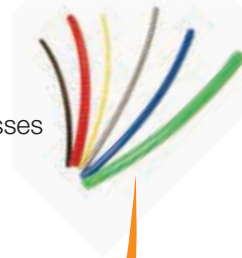
E
Fittings

F
Tooling,
Equipment
& Accessories

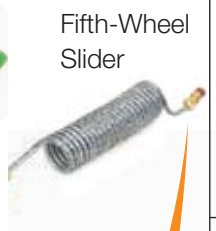
G
General
Technical



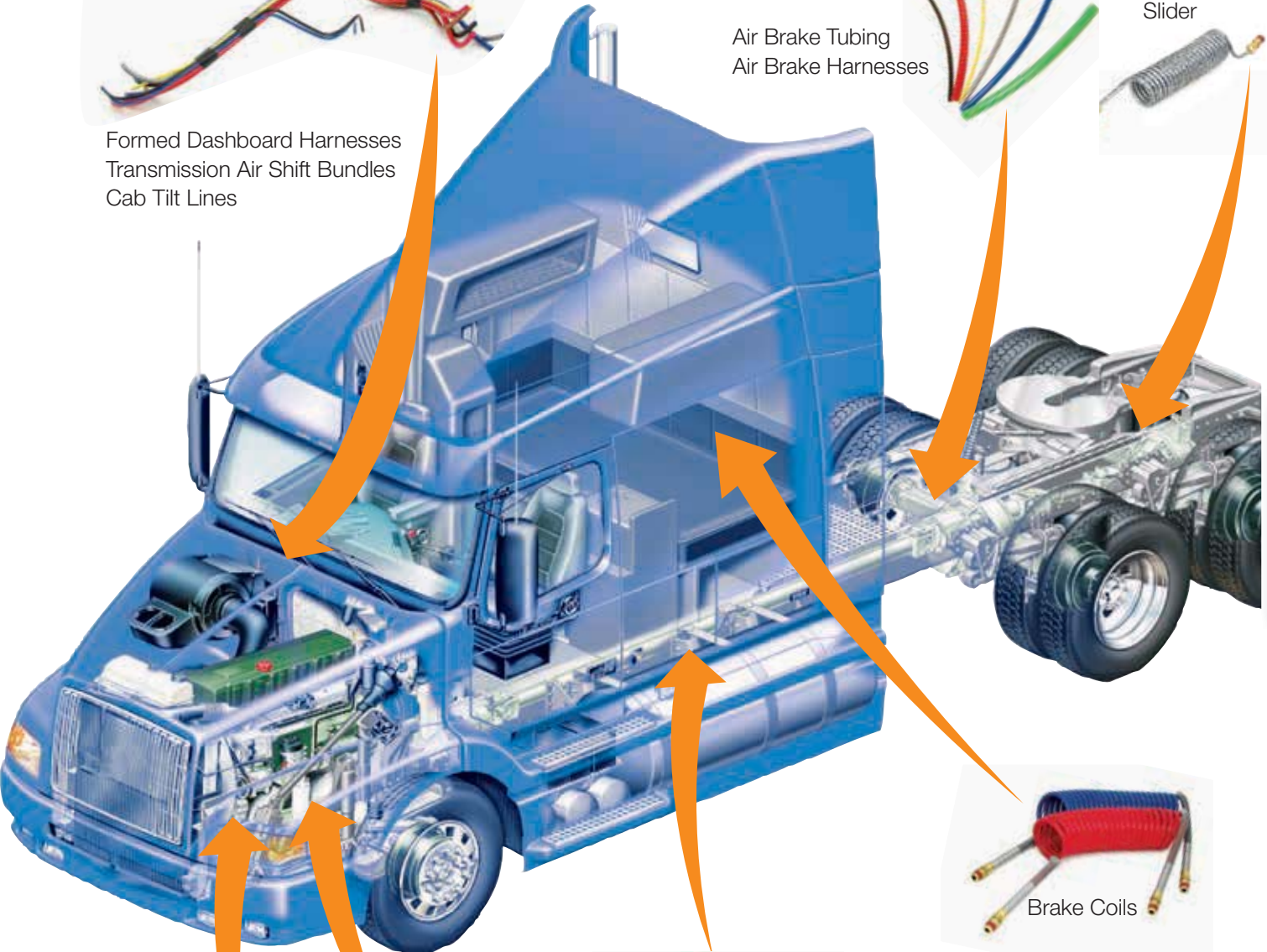
Formed Dashboard Harnesses
Transmission Air Shift Bundles
Cab Tilt Lines



Air Brake Tubing
Air Brake Harnesses



Fifth-Wheel
Slider



Brake Coils



Heated SCR Hose
Fuel Tubing
High Temp Fuel Lines



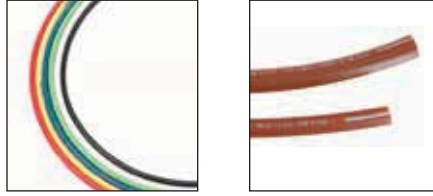
PTFE Hose
Compressor
Discharge
Lines



Formed Diesel Fuel
Tubing

Nomenclature Transportation Tubing

Nylon: Series Air Brake, Diesel Fuel



Product Family	Tube Size O.D.	Tube Type	Tubing Color*
1120 = Airbrake	2 = 0.125	A = Single-wall extruded Nylon (polyamide)	BLK = Black
PFT = Airbrake or Diesel Fuel	2.5 = 0.156	B = Nylon (polyamide) core, fiber reinforcement, Nylon (polyamide) cover/sheath	BLU = Blue
HTFL = High Temperature Diesel Fuel	3 = 0.188		BRN = Brown
	4 = 0.250		GRN = Green
	5 = 0.313		ORG = Orange
	6 = 0.375		PUR = Purple
	8 = 0.500		RED = Red
	10 = 0.625		SIL = Silver
	12 = 0.750		TAN = Tan
			YEL = Yellow
			WHT = White

Note: If color not specified in the product table, contact Parflex Division for availability

Tube Packaging	Options Designator
100 = 100 ft reel	FL = Diesel Fuel Tubing
500 = 500 ft reel	
1000 = 1000 ft reel	

Example: 1120-4A-RED-1000

1120-4A-RED-1000 – Air Brake Tubing

1120-**4A**-RED-1000 – **Tube O.D.** in sixteenths of an inch (**1/4"**)

1120-**4A**-RED-1000 – **Tube Type** Single wall

1120-4A-**RED**-1000 – **Color Red**

1120-4A-RED-**1000** – **Package Quantity** in feet (**1000'**)

The "PFT" series is used as standard for air brake tubing in -2, -2.5, -3 and -5. It is also used with Diesel Fuel Tubing (PFT-FL)

Example: PFT-6B-BLU-500-FL

PFT-6B-BLU-500-FL – Diesel Fuel Tubing*

PFT-**6B**-BLU-500-FL – **Tube O.D.** in sixteenths of an inch (**3/8"**)

PFT-**6B**-BLU-500-FL – **Tube Type** Reinforced and Jacketed

PFT-6B-**BLU**-500-FL – **Color Blue**

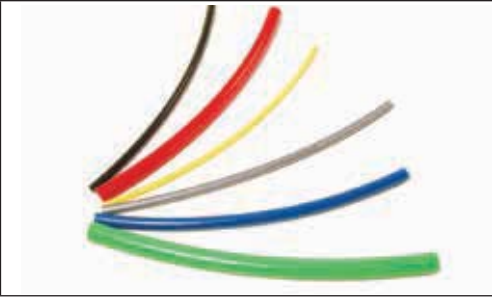
PFT-6B-BLU-**500**-FL – **Package Quantity** in feet (**500'**)

PFT-6B-BLU-500-**FL** – ***Designator for Diesel Fuel Tubing**

Air Brake Tubing

Series 1120, PFT

Parflex makes enough airbrake tubing every year to circle the globe twice.



Features

- 100% pressure tested
- Excellent UV stability
- Kink resistant
- Produced from abrasion resistant, heat and light stabilized Nylon resin

Compliance

- SAE-J844
- DOT FMVSS 49CFR 571.106
 - 2A, 3A, & 5A are not DOT sizes

Notes

- *2A, 3A, and 5A are not DOT sizes
- Material:
 - Type A – Single-wall extruded Nylon (polyamide)
 - Type B – Nylon (polyamide) core, fiber reinforcement, Nylon (polyamide) cover/sheath
- The operating temperature range for service at rated pressures is -40°F (-40°C) to 200°F (93°C)
- Working pressure 150 psi (10.3 bar) at 73°F (23°C)

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

Fittings

Parker Fittings available from:
Fluid System Connectors Division
Otsego, MI

(269) 692-6555
(269) 692-6634 FAX
parker.com/fsc

For approved fittings and/or suggested use of tube supports, reference Tube/Fitting Compatibility Chart (pg. B-8/B-9) or contact Parker Fluid Systems Connectors Division

Example: 1120-6B-RED-500

1120-6B-RED-500 – Air Brake Tubing

1120-6B-RED-500 – **Tube O.D.** in sixteenths of an inch (**3/8"**)

1120-6**B**-RED-500 – **Tube Type** Reinforced and Jacketed

1120-6B-**RED**-500 – **Color Red**

1120-6B-RED-**500** – **Package Quantity** in feet (**1000'**)

The "PFT" series is used as standard for air brake tubing in -2, -2.5, -3 and -5. It is also used with Diesel Fuel Tubing (PFT-FL)



WARNING

This product can expose you to chemicals including Nickel compounds, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Air Brake Tubing

Series 1120, PFT

Series 1120, PFT - Airbrake Tubing

Part Number	Tube O.D.		Tube I.D.		Nominal Wall Thickness		Minimum Burst Pressure		Minimum Bend Radius		Weight		Color
	inch	mm	inch	mm	inch	mm	psi	bar	inch	mm	lbs./ft.	kg/mtr	
PFT-2A-XXX-1000*	1/8	3.2	.079	2.0	.023	0.6	1000	68.9	3/8	9.5	.003	.005	●
PFT-2.5-XXX-250	5/32	4.0	.092	2.3	.032	0.8	1200	82.7	1/2	12.5	.006	.008	●
PFT-3A-XXX-1000*	3/16	4.8	.118	3.0	.035	0.9	1200	82.7	3/4	19.0	.008	.011	●
1120-4A-XXX-1000	1/4	6.4	.170	4.3	.040	1.0	1200	82.7	1	25.5	.012	.018	● ● ● ● ● ● ● ●
PFT-5A-BLK-500*	5/16	7.9	.232	5.9	.040	1.0	1000	68.9	1-1/4	32.0	.016	.023	●
1120-6B-XXX-100	3/8	9.5	.251	6.4	.062	1.6	1400	96.5	1-1/2	38.0	.027	.040	●
1120-6B-XXX-500													● ● ● ● ● ● ● ●
1120-8B-XXX-500	1/2	12.7	.376	9.6	.062	1.6	950	65.5	2	51.0	.039	.058	● ● ● ● ● ● ● ●
1120-10B-XXX-250	5/8	15.9	.441	11.2	.092	2.3	900	62.1	2-1/2	63.5	.070	.104	● ● ● ● ● ● ● ●
1120-12B-XXX-250	3/4	19.1	.566	14.4	.092	2.3	800	55.2	3	76.0	.086	.128	● ● ● ● ● ● ● ●

Note: *2A, 3A, and 5A are not DOT sizes

Series 1120, PFT - Airbrake Tubing Pallet Quantities

Part Number	Standard Pallet	
	ft	mtr
PFT-2A	25000	7315
PFT-2.5	25000	7315
PFT-3A	25000	7315
1120-4A	25000	7315
PFT-5A	12000	3658
1120-6B	12000	3658
1120-8B	6000	1828
1120-10B	3000	914
1120-12B	3000	914



WARNING This product can expose you to chemicals including Nickel compounds, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Diesel Fuel Tubing

Series PFT-FL, HTFL

Light weight tubing saves weight and installation labor in comparison to hose and hard-line tubing.



Features

- Designed for use in tractor, trailer and other mobile fuel systems
- Heat and light stabilized
- 100% pressure tested
- Light weight - saves weight and labor in comparison with hose and hard-line tubing
- HTFL for use in high temperature applications and available in pre-formed tubes for quicker installations

PFT-FL Notes

- Material: Heat and light stabilized Nylon
- Compatible with JP-5 (MIL-DTL-5624) and JP-8 (MIL-DTL-83133)
- The operating temperature range for service at rated pressures is -40°F (-40°C) to 200°F (93°C)
- Working pressure 150 psi (10.3 bar) at 73°F (23°C)
- Working pressure and burst pressure are at 73°F (23°C)

Colors

- | | |
|--------|---------|
| PFT-FL | ● Blue |
| HTFL | ● Brown |

HTFL Notes

- Material: Heat and light stabilized Nylon
- Compatible with JP-5 (MIL-DTL-5624) and JP-8 (MIL-DTL-83133)
- Compatible with Biodiesel per Parflex PPB PL-18 hard-line tubing
- The operating temperature range for service at rated pressures is -50°F (-46°C) to +266°F (130°C)
- Working pressure and burst pressure are at 73°F (23°C)
- Vacuum rating at 28 inch Hg

Fittings

Parker Fittings available from:
Fluid System Connectors Division
Otsego, MI

(269) 692-6555
(269) 692-6634 FAX
parker.com/fsc

For approved fittings and/or suggested use of tube supports, reference Tube/Fitting Compatibility Chart (pg. B-8/B-9) or contact Parker Fluid Systems Connectors Division

Order Information

Example: PFT-6B-BLU-0500-FL

PFT-6B-BLU-0500-FL – Diesel Fuel Tubing*

PFT-6B-BLU-0500-FL – **Tube O.D.** in sixteenths of an inch (3/8")

PFT-6B-BLU-0500-FL – **Tube Type** Reinforced and Jacketed

PFT-6B-**BLU**-0500-FL – **Color Blue**

PFT-6B-BLU-**0500**-FL – **Package Quantity** in feet (500')

PFT-6B-BLU-0500-**FL** – *Designator for Diesel Fuel Tubing

Order Information

Example: HTFL-6B-BRN-500

HTFL-6B-BRN-500 – High Temperature Diesel Fuel Tubing

HTFL-6B-BRN-500 – **Tube O.D.** in sixteenths of an inch (3/8")

HTFL-6B-BRN-500 – **Reinforced and Jacketed**

HTFL-6B-**BRN**-500 – **Color Brown**

HTFL-6B-BRN-**500** – **Package Quantity** in feet (500')



WARNING

This product can expose you to chemicals including Nickel compounds, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Diesel Fuel Tubing

Series PFT-FL, HTFL

Series PFT-FL - Diesel Fuel Tubing

Part Number	Nominal Tube O.D.		Nominal Tube I.D.		Nominal Wall I.D.		Working Pressure 73°F(23°C)		Minimum Burst Pressure		Minimum Bend Radius		Weight		Color
	inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	lbs./ft.	kg/mtr	
PFT-4A-XXX-1000-FL	1/4	6.4	.170	4.3	.040	1.0	150	10.3	1200	82.7	1	25.5	.012	.018	
PFT-6B-XXX-500-FL	3/8	9.5	.251	6.4	.062	1.6	150	10.3	1400	96.5	1-1/2	38.0	.027	.040	●
PFT-8B-XXX-500-FL	1/2	12.7	.376	9.6	.062	1.6	150	10.3	950	65.5	2	51.0	.039	.058	●
PFT-10B-XXX-250-FL	5/8	15.9	.441	11.2	.092	2.3	150	10.3	900	62.1	2-1/2	63.5	.070	.104	●

Note: If color not referenced, contact the division for availability

Series HTFL - High Temperature Diesel Fuel Tubing

Part Number	Nominal Tube O.D.		Nominal Tube I.D.		Nominal Wall Thickness		Working Pressure 73°F(23°C)		Minimum Burst Pressure		Minimum Bend Radius		Weight		Color
	inch	mm	inch	mm	inch	mm	psi	bar	inch	mm	inch	mm	lbs./ft.	kg/mtr	
HTFL-6B-XXX-500	3/8	9.5	.251	6.4	.062	1.6	175	12.1	1,400	96.5	1-1/2	38.0	.028	.042	●
HTFL-8B-XXX-500	1/2	12.7	.376	9.6	.062	1.6	155	10.7	950	65.5	2	51.0	.039	.058	●
HTFL-10B-XXX-250	5/8	15.9	.441	11.2	.092	2.3	140	9.7	900	62.1	2-7/8	73.0	.071	.106	●



WARNING This product can expose you to chemicals including Nickel compounds, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Tractor-to-Trailer Coils

Series BrakCoil®

Tractor-to-trailer coiled connections



Features

- BrakCoil - Tractor-to-trailer coiled nylon air-brake connections
- Maintenance-free performance - will retract to its original shape even after long periods of extended use for years of city delivery and line haul testing
- Heavy-duty plated spring guards are rust-resistant for added protection
- More coils maximize working lengths
- No need for pogo sticks or spring hangers
- Color coding gives you mistake-free hook-ups – blue for service, red for emergency

Notes

- The operating temperature range for service is -40°F (-40°C) to 200°F (93°C)
- Working pressure 150 psi (10.3 bar) at 73°F (23°C)
- Working pressure and burst pressure are at 73°F (23°C)

Compliance

- DOT FMVSS 49CFR 571.106 @ -70°F to 200°F

Colors

- Blue
- Red

Order Information

BRAKCOIL®

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.

Series BrakCoil - Air Brake Connection

Kit Part No.	Individual Coil Part No.	Tube O.D.		Valve Tail Length		Brass Male Ends (NPT)		Working Length		Number of Coils
		inch	mm	inch	mm	Valve inch	Gladhand inch	ft	mtr	
731516	731512-RED 731512-BLU	1/2	12.7	12	305	1/2	1/2	15	4.6	21-1/2
731522	731513-RED 731513-BLU	1/2	12.7	40	1016	1/2	1/2	15	4.6	21-1/2
741526	731612-RED 731612-BLU	1/2	12.7	40	1016	3/8	3/8	15	4.6	21-1/2
751641	741590-RED 741590-BLU	1/2	12.7	6	152	1/2	1/2	12	3.7	18-1/2

Accessories

- Extended BRAKCOIL handle available, part no. 771164
- Gladhands available
 - Blue – Part # GH9211
 - Red – Part # GH9212



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.

Tractor-to-Trailer Coils

Series Fifth Wheel Slider Coil

Self-adjusts from 10" to fully extended 74" working length.



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
- 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

Compliance

- SAE-J844 - Type A
- DOT FMVSS 49CFR 571.106

Colors

- Silver

Notes

- Constructed with 1/4" O.D. extruded Nylon, heat and light stabilized, single wall
- The operating temperature range for service at rated pressures is -40°F (-40°C) to 200°F (93°C)
- Working pressure 150 psi (10.3 bar) at 73°F (23°C)
- Working pressure and burst pressure are at 73°F (23°C)

Series Fifth Wheel Slider

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



Order Information

Fifth Wheel Slider Coil

Part# 811537 comes complete with 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.

Custom Transportation Tubing

Custom Harnesses, Bundles & Formed Products

<p>Formed products reduce installation times by up to 40%.</p>	
--	---

Features

- Preformed, pre-bundled tubing or hose custom designed to reduce installation timeimprove throughput with little to no tubing or hose scrap
- Individual tubes are pre-cut and assembled into a single unit

Options

- Color coding and/or numbering available for each tube
- Harnesses may contain any number of tube sizes ranging from 1/8" O.D. to 3/4" O.D.
- Harnesses can be supplied with special clamps, brackets and fittings to meet any need required by the customer
- Hoses - 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



Harnesses

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



Formed Hoses

- Most Parflex thermoplastic hoses can be formed into application specific shapes

A	Hose
B	Tubing
C	Coiled Air Hose & Fittings
D	Transportation
E	Fittings
F	Tooling, Equipment & Accessories
G	General Technical

SCR Hose

Electrically Heated, On-vehicle DEF Dosing System Hose

Patented heated hose technology designed for heating and conveying DEF (Diesel Exhaust Fluid) throughout the SCR system on commercial vehicles.



Features

- Nylon and EPDM core tubes reinforced for strength and flexibility
- Helically-wrapped heating wires
- Extruded abrasion resistant jacket
- Heated fittings with protective overmolding
 - Protection against water ingress and damage of electrical components
 - Bolsters fitting strength and impact resistance
- Optional heat/abrasion shield
- 100% electrically tested, pressure tested, and cleaned before shipped
- Available in 12VDC, 24VDC, and unheated

Compliance

- IATF 16949
- ISO 14001
- IP6X, IPX8, and IPX9K

Notes

- 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
- Temperature Range:
 - EPDM Temperature Range: -40°F (-40°C) to 248°F (120°C)
 - Nylon Temperature Range: -40°F (-40°C) to 248°F (120°C)



U.S. Patent No. **8,819,922**

Check www.scrhose.com for product updates



WARNING

This product can expose you to chemicals including Carbon-black extracts, which is 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.

SCR Hose

Electrically Heated, On-vehicle DEF Dosing System Hose

Series SCR - DEF Transfer Hose

Core Tube Material	I.D.		O.D.		With Heat /Abrasion Shield (optional)		Maximum Operating Pressure		Vacuum Resistance		Bend Radius	
	mm	inch	mm	inch	mm	inch	psi	bar	inch/Hg	bar	mm	inch
EPDM	4.0	.157	14.5	.571	21.0	.827	174	12.0	14.8	500	30.0	1-3/16
	5.5	.217	14.5	.571	21.0	.827	174	12.0	14.8	500	40.0	1-9/16
Nylon	6.0	.236	14.0	.551	21.0	.827	150	10.3	8.9	300	40.0	1-9/16

U.S. Patent No. **8,819,922**
 Check www.scrhose.com
 for product updates



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, which is 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.