Transportation Tubing - Order Today, SHIP TODAY at www.ConnectorSpecialists.com

Transportation

Air Brake Tubing Diesel Fuel Tubing High Temperature Fuel Tubing Truck Coils Cut Tubes Formed Tubes Jacketed Bundles Air Brake Harnesses SCR Hose

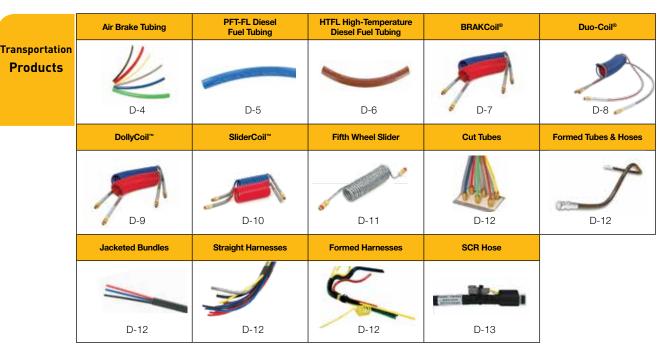




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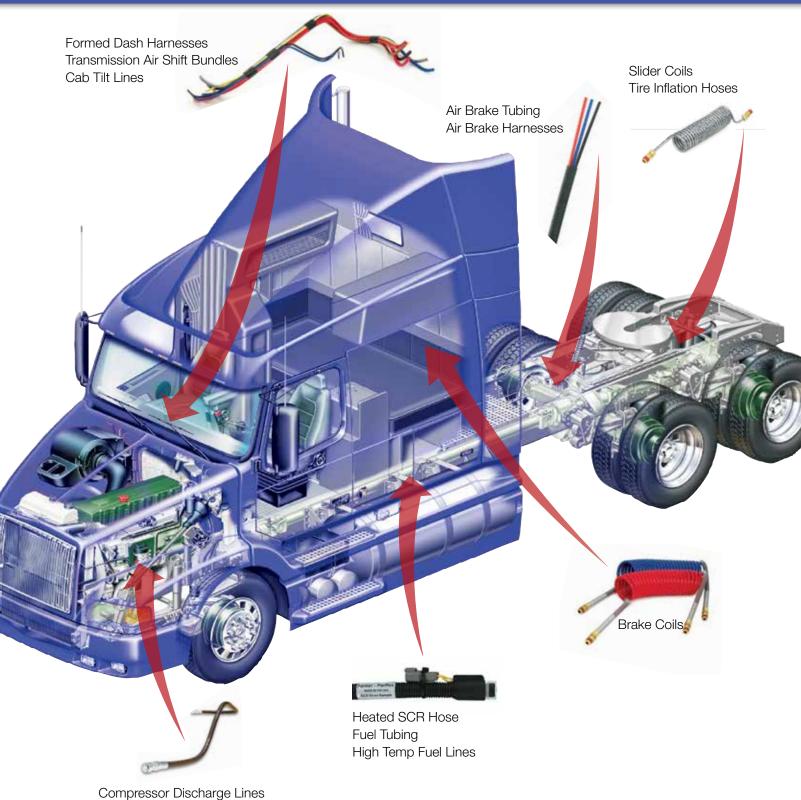
D Transportation



B Tubing

D Coiled Air Hose & Fittings Transportation Tubing - Order Today, SHIP TODAY at www.ConnectorSpecialists.com

Parflex Transportation Products

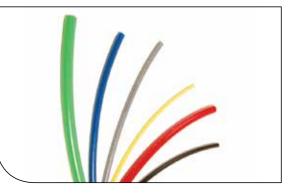


Compressor Discharge Lines Formed Power Steering Hoses

For detailed ordering information, please consult price list or contact Parflex® Division.
Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd



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/Markets



Air brake lines

Part Number	Tube O.D.	Outs Diam		Ins Diam		Nom Wa Thick	all	Bu Pres at 73°		Be	mum Ind lius	We	ight		dard eel		dard llet										
#	\bigcirc													0	$\mathbf{\tilde{b}}$		\rightarrow	Z	K	- *	\mathcal{Y}	lbs					
	inch	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) cover/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										
٠	BLU	Blue										
٠	BRN	Brown										
٠	GRN	Green										
•	ORG	Orange										
۲	PUR	Purple										
٠	RED	Red										
	SIL	Silver										
٠	TAN	Tan										
•	YEL	Yellow										
0	WHT	White										

B General Technical



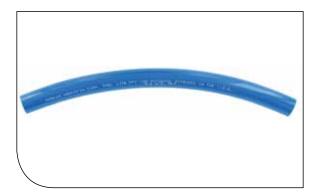
For detailed ordering information, please consult price list or contact Parflex® Division.

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A Hose

H Tooling, Equipment & Accessories

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.			ninal be D.	Minin Be Rac	nd	We	ight	Stan Re	dard eel
#		\bigcirc				Ŋ	lbs	8 1 1		
	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



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

Tubing

В

A Hose

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd

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/Markets



Part Number	Non Tu O.	be	Nom Tu I.I		Nom Wa Thick	all	Working Pressure		Minimum Burst at 73°F /23°C		Minimum Bend Radius		Weight			dard eel
#	t ()			\mathbf{O})-		\mathcal{O}		* 7		\mathbf{x}		ר גען		
	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

A Hose

Tubing

B

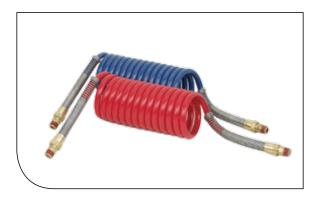
D Coiled Air Hose & Fittings

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

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd

D-6

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

Kit Coil	Individual Coil Part		Tube O.D.		lve ail	В		ale End PT)	ls		king Iqth	Number of Coils		
Number	Number				Length		Valve		hand			01 00110		
#	#		\bigcirc		\bigcirc									
		inch	mm	inch	mm	inch	mm	inch	mm	feet	meter			
731516	731512-Red 731512-Blue	-8	13	12	305	1/2	13	1/2	13	15	4.6	21-1/2		
751597	731611-Red 731611-Blue	-8	13	12	305	3/8	10	1/2	13	15	4.6	21-1/2		
731522	731513-Red 731513-Blue	-8	13	40	1016	1/2	13	1/2	13	15	4.6	21-1/2		
741526	731612-Red 731612-Blue	-8	13	40	1016	3/8	10	1/2	13	15	4.6	21-1/2		
751641	741590-Red 741590-Blue	-8	-8 13		152	1/2	13	1/2	13	12	3.7	18-1/2		
751655	751656-Blk Black Only	-8	-8 13		152	3/8	10	1/2	13	12	3.7	18-1/2		

Applications/Markets

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.



Tractor to Trailer

Construction

Tube: Coiled Nylon Air Brake Tubing

Operating Parameters

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

Options

Extended BRAKCOIL handle available, part no. 771164

Gladhands available

- Blue Part # GH9211
- Red Part # GH9212



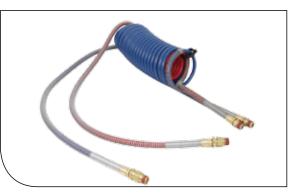
В

A Hose

For detailed ordering information, please consult price list or contact Parflex® Division. Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd

D-7

Duo-Coil[™] Features



Features

- Duo-Coil combines both tractor-to-trailer lines (service and emergency) into a strong single unit
- Designed for quick hook-up and trouble-free service on your rig
- Reverse winding of the coiled air brake lines eliminates the possibility of tangling
- Installation swivel fittings make hook-up a snap
- The inner red emergency coil is wound inside the blue service coil offering added protection to the driver
- The single unit provides clean and neat installation

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		Tube O.D.				B Va	rass Ma (NP Ive				king Igth	Number of Coils
#		\bigcirc										
	inch	mm	inch	mm	inch	mm	inch	mm	feet	meter		
801048	-8	13	12	305	1/2	13	1/2	13	15	4.6	21-1/2	
801632	-8	13	6	152	1/2	13	1/2	13	12	3.7	18-1/2	
801595	-8	13	40	1016	1/2	13	1/2	13	15	4.6	21-1/2	

Order Information

Duo-Coil[™] kits are supplied complete – **Parker pre-assembled**, with everything needed, including spring guards and pipe end NTA fittings, **ready to install**. Special pipe thread sealant is factory applied. No cutting or fitting assembly is necessary. Just attach the gladhands (sold separately or pre-assembled).

Construction

Tube: Coiled Nylon Air Brake Tubing

Operating Parameters

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

Options

Extended BRAKCOIL handle available, part no. 771164

Gladhands available

- Blue Part # GH9211
- Red Part # GH9212

D-8

H Tooling, Equipment & Accessories



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

Tubing

B

H Fittings

DollyCoil™



Features

- 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



Multiple TrailersConverter Dollies

Kit Coil Number		be D.	Val Ta Len	nil		(NI Ive	ale Ends PT) Gladi 180°	hand	Stan Wor Ler	Number of Coils	
#		\bigcirc									
	inch	mm	inch	mm	inch	mm	inch	mm	feet	meter	
751634	-8	13	8	13	1/2	13	1/2 13		6	1.83	12

Order Information

DollyCoil[™] 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. 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.

Construction

Tube: Coiled Nylon Air Brake Tubing

Operating Parameters

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

Options

Extended BRAKCOIL handle available, part no. 771164 Gladhands available

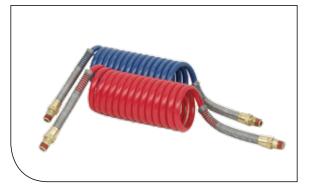
- Blue Part # GH9211
- Red Part # GH9212

A Hose

For detailed ordering information, please consult price list or contact Parflex® Division. Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd



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)

- Hactor Hallers (Axies)

Kit Coil	Individual Coil Part	Tu O.	be D.	Ta	lve ail		(N			Wor		Number of Coils		
Number	Number	_	0.0.		L(Length Valve 90° End				hand End			
#	#		\bigcirc											
		inch	mm	inch	mm	inch	mm	inch	mm	feet	meter	feet		
751657	751658-BLU, RED	-8	-8 13		13	1/4	6	1/4	6	13-1/2	4.1	9		
751659	751660-BLU, RED	-8	-8 13		13	3/8	10	3/8	10	13-1/2	4.1	9		

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 to +200°F (-57°C to +93°C)

Color

BlueRed

Options

Extended BRAKCOIL handle available, part no. 771164

General Technical

A Hose



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

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd

Features

sliding action

Certifications

Meets D.O.T. FMVSS 106

 Clutter-free hook-up and maintenance-free performance of adjustable length pneumatic tubing for fifth wheel

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

• No maintenance required - stays on the job at peak perfor-

 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

Universal, ready for immediate installation

mance through years of trouble-free life

Conforms to SAE Specification J844 Type A

Fifth Wheel Slider Coil



Applications/Markets



Double TrailersCovert, Dollies

Part Number	Fittings		tail gth	Exte	ax. nded igth	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 to +200°F (-40°C to +93°C)

Color

SIL

Options

Available with or without fittings

A Hose

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

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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:

- 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
- 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 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



D-12

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



t

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.

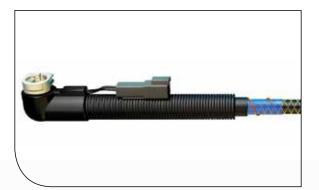
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Tubing

В

H Tooling, Equipment & Accessories

SCR Hose Assemblies for Tier IV Compliance



Applications/Markets



Features

- Consistent thaw more reliable than coolant heated lines
- Multiple options available to fit every application
- Protective Overmolding
- Protection against water ingression 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
- 6mm Nylon, 5.5mm EPDM, and 4mm EPDM are IP6X, IPX8, and IPX9K Certified

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.

All Parflex SCR hose assemblies have multiple options that allow customization by the equipment manufacturer and the end user

SCR hoses are available with several different options. These 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; etc. 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.

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

Check www.scrhose.com for product updates

D-13

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

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A Hose

Tooling, Equipment & Accessories

General Technical

G

S0/S1/S2

N

Suction/Throttle Line Design



Base Part	Nominal I.D		0.D.		Shi	ith ield pt)	Op	ax. er. sure	Min. Burst Pressure		
lumber	mm	inch	mm	inch	mm	inch	psi	bar	psi	bar	
S0	6	.24	14	.55	21	.827	145	10	600	40	
S1	6	.24	14	.55	21	.827	145	10	600	40	

Parflex SCR Hose Assembly Polyamide Suction/Throttle Line

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

Vacuum

Resistance

Hg/bar

300m

300m

inch

8.9

8.9

Bend

Radius

inch mm

2 51

2 51 Standard

Lengths*

mtr

1/2, 1,

1/2, 1,

1-1/2 or 2

1-1/2 or 2

Certifications

- TS 16949
- ISO 14001

Operating Parameters

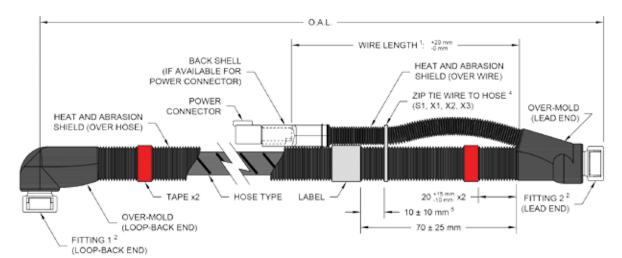
- Temperature Range: -40°F to158°F (-40°C to 70°C) Spikes to 221°F (105°C)
- Available in 12VDC or 24VDC design

Many custom options available, please contact Parflex for details.

S0 - No abrasion guard

S1 - Abrasion guard, hose only

S2 - Abrasion guard on hose and wire



P1/P2 Polyamide Pressure Line Design



Base Part Number	I.D		0.D.		with Shield (opt)		Max. Oper. Pressure		Min. Burst Pressure		Bend Radius		Standard Lengths*
	mm	inch	mm	inch	mm	inch	psi	bar	psi	bar	inch	mm	mtr
S0	6	.24	13	.51	21	.827	145	10	600	40	2	51	1/2, 1, 1.5, 2, 2.5, 3

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

Operating Parameters

- Temperature Range: -40°F to 248°F (-40°C to 120°C) Spikes to 284°F (140°C)
- Internal/Fluid Temp: 140°F (60°C) Max., per Cummins AEB
- Available in 12VDC or 24VDC design

Many custom options available, please contact Parflex for details. P1 - Abrasion guard, hose only P2 - Abrasion guard on hose and wire



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