

THERMAL MANAGEMENT HOSES

Helping to control the temperature of your equipment.

Parker

Hose Products Division
Thermal Management Hoses

As equipment thermal management requirements evolve, Parker's Hose Products Division continues to meet those connection demands to cool the energy sources and components for an optimal level of performance. Our customers have grown accustomed to Parker leading the world in fluid power and conveyance. Thus, the thermal management product offering follows our tradition of excellence by offering a comprehensive solution strategy.

Product Recommendations By Market

Hose Series	Hose Tube Mtl	Cooling Type	Elec Cooling	Off Hwy Equip	Mining	On Hwy Truck/Bus	Applicable Stds.
807/807XT***	EPDM-P	Liquid Cooling	●	●		●	UL94 V-0
627	EPDM-P	Liquid Cooling	●				UL94 HB
629	EPDM-P	Liquid Cooling	●	●		●	UL94 V-0
*7390	EPDM-P	Liquid Cooling	●				UL94 V-0
*7395	EPDM-P	Liquid Cooling	●	●		●	SAE J20R2 D-1
7391	EPDM-P	Liquid Cooling	●				UL94 V-0
**285	NEOPRENE	Refrigerant	●	●	●	●	SAE J3062 Type C Class 1
**244	BUTYL	Refrigerant	●	●	●	●	SAE J2064 Type B Class 1

Product Recommendations By Size (See individual page for actual ID)

Hose Series	3.5	4	5	6	8	10	12	14	16	20	24	32	48	4"	6"
807/807XT***		●		●	●	●	●		●						
627				●	●		●		●	●	●				
629	●	●													
*7390										●	●	●	●		
*7395				●	●	●	●	●	●						
7391												●	●	●	●
**285		●		●	●	●	●	●	●						
**244									●	●	●				

Product Recommendations By Pressure (Per Size)

Hose Series	3.5	4	5	6	8	10	12	14	16	20	24	32	48	4"	6"
807/807XT***		150		150	150	150	150		100						
627				150	150		150		150	150	150				
629	150	150													
*7390										150	150	150	150		
*7395				150	150	150	150	150	150						
7391												150	150	150	150
**285		500		500	500	500	500	500	500						
**244									500	500	350				

***Note:** E-Z Form is designed to be used in extremely tight bends where traditional products will kink.
****Note:** Not recommended for non-refrigerant applications.
*****Note:** 807XT only available in size -6.

⚠ **WARNING:** This product can expose you to chemicals including Carbon Black, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

Hose Products Division

Single Phase Data Center Fitting Portfolio

	629 Server Blade Hose	627 Hose	807 Push-Lok EPDM-P	7395 EZ Form GS Series	7390 EZ Form EPDM-P Hose	7391 EPDM-P S&D Hose
-3.5	N/A					
-4	N/A		82 Series			
-6		HY Series	82 Series			
-8		HY Series	82 Series	HY Series		
-10			82 Series	HY Series		
-12		HY Series	82 Series	HY Series		
-16		HY Series	82 Series	HY Series		
-20		HY Series			HY Series	
-24		43 Series			EZ	N/A
-32					EZ	N/A
3"					N/A	N/A
4"						
6"						

Crimpsource

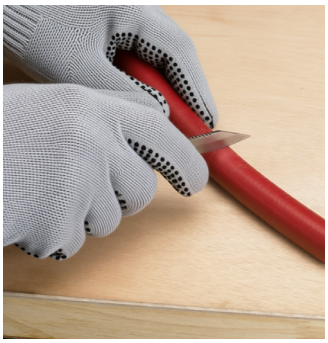
Data Center Hose Application Chart

Application	Sizes (in 16th's)													
					6 (3/8")			8 (1/2")			12 (3/4")		
	Connection Type	Hose Barb & Clamp	Push-Lok	Hose Barb & Clamp	Push-Lok	Crimp	Hose Barb & Clamp	Push-Lok	Crimp	Hose Barb & Clamp	Push-Lok	Crimp	Hose Barb & Clamp	Push-Lok
	Server Blade	629	N/A	629	807									
	Jumper Hose					627	627, 7395	807	627, 7395	627, 7395	807			
	CDU Hose											627, 7395	627, 7395	807

Application	Sizes (in 16th's)											
		16 (1")			20 (1-1/4")		24 (1-1/2")		32 (2")		48 (3")	
	Connection Type	Crimp	Hose Barb & Clamp	Push-Lok	Crimp	Hose Barb & Clamp	Crimp	Hose Barb & Clamp	Crimp	Hose Barb & Clamp	Crimp	Hose Barb & Clamp
	Server Blade											
	Jumper Hose											
	CDU Hose	627, 7395	627, 7395	807	627, 7390	627, 7390	627, 7390	627, 7390	7390, 7391	7390	7390, 7391	7390, 7391

Push-Lok Assembly and Disassembly Steps

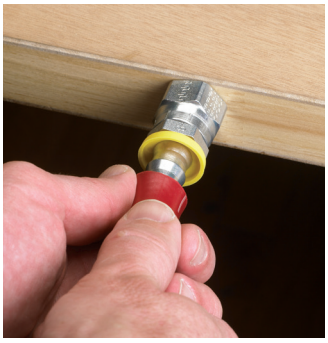
Assembly is easy



1. Cut hose cleanly and squarely with a sharp knife or a Parker Push-Lok cut-off tool.

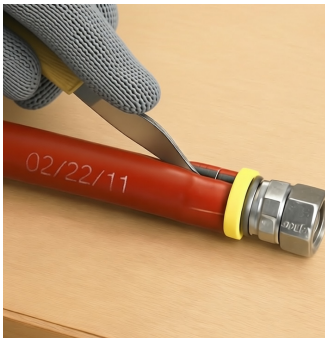
2. Lubricate the Push-Lok fitting and/or Hose I.D. with a light oil or soapy water only. Do not use heavy oil or grease.

3. Insert fitting into hose until the barb is in the hose.



4. Place end fitting against a flat object (bench or wall). Grip hose approximately one inch from end and push with steady force until the end of the hose bottoms on the fitting and is covered by the yellow plastic cap.

Disassembles fast



1. Leave fitting in place and cut hose lengthwise from the yellow cap approximately one inch.
   IMPORTANT: Be careful not to nick barbs when cutting hose.

2. Grip hose and give a sharp downward tug to disengage the fitting.

   Caution: Push-Lok fittings will properly grip Push-Lok hose only when pushed all the way in with the cut end of the hose completely concealed by the yellow plastic cap.

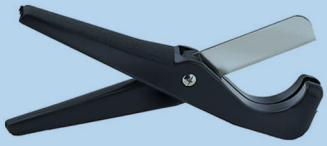
   Sealing integrity may be damaged by using exterior clamps.



Push-Lok Hose Cutters

Use Parker Push-Lok hose cutters to ensure quick and easy cutting. They are designed for use on all Push-Lok hose sizes and non-wire hose up to 1-1/8" O.D.

TH11-1 Hose Cutter
Designed to squarely cut Push-Lok hose 1/4" I.D. through 3/4" I.D.



881540
Hose Cutter with Toggle
This unique tool combines a hose cutter with a toggle action that presses the fitting into the hose, making every job easier, whether you are making one assembly or a hundred. It is designed to handle Push-Lok hose from 1/4" through 3/4".
Overall length: 16"
Weight: approximately 4 pounds



The Most Flexible Route from Hose Application to Hose Installation

E-Z Form™ hose provides extreme flexibility for easy and quick installation of coolant, water and oil suction/return lines on mobile and industrial equipment.

Available in multiple incremental sizes, E-Z Form hose:

- **minimizes the need for costly made-to-order pre-formed hose and metal tubing,**
- **lowers the number of connections and potential leak points,**
- **reduces installation time,**
- **provides rapid delivery from stock and**
- **does not require dedicated inventory.**

Designed to handle extreme bends while allowing full-flow, kink-free performance, E-Z Form hose effectively replaces preformed hoses and hose/bent metal tube assemblies in many applications – eliminating special design, tooling and fabrication costs and associated long lead times. E-Z Form hose is available in three distinct versions, all of which incorporate a helical wire for full suction/vacuum service.

Parker has qualified E-Z Form hose with multiple styles of crimp fittings in popular sizes and configurations. For fitting and crimp specifications, refer to Crimpsource® at www.parker.com/crimpsource.

Crimpsource provides easy access to all the specifications necessary to correctly fabricate a factory quality hose assembly. You can also print a simple-to-follow data specification sheet or crimper decal.



Off-the-Shelf Convenience and Dramatic Cost Reduction Opportunities

E-Z Form hose is designed and manufactured as a versatile, solution-driven product for OEM and aftermarket-related applications.

Hose Problem	E-Z Form Hose Solution
☐ Excessive time/labor to design, develop and procure prototypes ☐ High cost of made-to-order tooling ☐ High cost of low-volume formed hoses and bent metal tubes	☑ E-Z Form is a catalog product available from stock in multiple incremental sizes
☐ Multiple leak points inherent in hose/tube combination assemblies	☑ One continuous length of hose minimizes leak points and subsequent warranty issues
☐ Significant time/labor required to install hose/tubes in tight routing applications	☑ Extreme flexibility streamlines installation and eliminates the need to braze metal tubes
☐ Other hoses consume more footage due to “rounding out” the required bends	☑ Extreme flexibility allows a more direct path in routing
☐ Cost of inventory/management/storage of numerous formed hose SKUs	☑ Replaces many made-to-order hoses; Packaged in convenient reels and coils and can be cut to length as needed
☐ Cost of inventory/management/storage of shaped adapters and special fittings	☑ Extreme flexibility permits efficient hose routing while minimizing the need for adapters and/or special fittings

Single Phase Thermal Hose

7395 – E-Z FORM™ GS General Service Hose



view on web page

Series 7395 hose incorporates a tube that is resistant to commonly used coolant mixtures, a wire helix for full suction/vacuum capability and a path to conduct a static electrical charge to ground, and a cover that is resistant to abrasion, mild chemicals, heat and ozone. The unique Greek cover corrugations are precision-engineered, providing extreme flexibility for routing through confined spaces eliminating the need for formed hose.

NOTE: Do not drag across sharp edges or highly abrasive surfaces.

Part Number	Hose I.D.		Reinf Layers	Hose O.D.		Approx Wt		Minimum Bend Radius		Max WP		Perm Cplg Rec	Nom Std Pack Qty	Pkg Type
	inch	mm		inch	mm	lbs/ft	kg/m	inch	mm	psi	bar		ft	
7395-0375300	3/8	9.5	2	0.8	20.8	0.24	0.36	0.9	24.1	150	10.3	*	300	Reel
7395-0500025	1/2	12.7	2	0.9	23.8	0.27	0.40	0.9	24.1	150	10.3	HY	25	Carton
7395-0500300													300	Reel
7395-0625025	5/8	15.9	2	1.1	27.0	0.33	0.49	1.3	32.7	150	10.3	HY	25	Carton
7395-0625300													300	Reel
7395-0750025	3/4	19.1	2	1.2	30.0	0.35	0.52	1.4	36.3	150	10.3	HY/43	25	Carton
7395-0750300													300	Reel
7395-0875025	7/8	22.2	2	1.3	32.8	0.38	0.57	1.4	36.3	150	10.3	*	25	Carton
7395-0875300													300	Reel
7395-1000025	1	25.4	2	1.4	36.0	0.41	0.61	1.0	25.4	150	10.3	HY/43	25	Carton
7395-1000300													300	Reel
7395-1000300-RED	1	25.4	2	1.4	36.0	0.41	0.61	1.0	25.4	150	10.3	HY/43	300	Reel

Tube: Peroxide cured EPDM for sizes up through 1”; Sulfer cured for sizes above 1”
Reinforcement: Multiple textile braids or plies with wire helix
Cover: Black EPDM; Greek corrugated finish
Temp. Range: -50˚ F to +257˚ F (-45˚ C to +125˚ C)
Brand Method: Black text on blue stripe and white text on red stripe
Brand Example: PARKER SERIES 7395 E-Z FORM™ GS HOSE XXX PSI MAX WP

Design Factor: 4:1
Industry Standards: SAE J20R2-D1 performance
UL94 flame resistance rating HB; through 1”
Applications:
- Air, coolant, mild chemicals, water
- Coolant systems, drain lines, vacuum service
- SAE-performance in engine coolant service, general industrial

Vacuum: 29" Hg (737 mm Hg)

⚠ **WARNING:** This product can expose you to chemicals including Carbon Black, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

7390 – E-Z FORM™ GS General Service Hose



view on web page

Part Number	Hose I.D.		Reinf Layers	Hose O.D.		Approx Wt		Minimum Bend Radius		Max WP		Perm Cplg Rec	Nom Std Pack Qty (ft)	Pkg Type
	inch	mm		inch	mm	lbs/ft	kg/m	inch	mm	psi	bar			
7390-1250100	1 1/4	31.8	2	1.70	44.3	0.50	0.75	1.25	31.8	150	10.3	HY	100	Coils
7390-1500100	1 1/2	38.1	2	1.90	50.5	0.58	0.86	1.50	38.1	150	10.3	EZ	100	Coils
7390-2000100	2	50.8	2	2.50	65.0	0.96	1.43	2.00	50.8	150	10.3	EZ	100	Coils
7390-3000100	3	76.2	2	3.50	90.5	1.51	2.25	3.00	76.2	150	10.3	N/A	100	Coils

Tube: Black EPDM, peroxide cured
Reinforcement: Multiple textile braids or plies with wire helix
Cover: Black synthetic rubber; greek corrugated
Temperature Range: -40°F to +212°F (-40°C to +100°C)
Brand: Mylar Blue (-BLYL) or Red (-RLYL) for color coding
Brand Example: Parker Series 7390 E-Z Form EPDM-P Hose

Design Factor: 4:1
Industry Standards: UL94 V-0 flame resistance rating
Application: DI water and glycol based coolant solutions
Vacuum: Full

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Single Phase Thermal Hose

7391 – EPDM-P
Suction & Discharge Hose



view on web page

# Part Number	Hose I.D.		Reinf Layers	Hose O.D.		Approx Wt		Minimum Bend Radius		Max WP		Perm Cplg Rec	Nom Std Pack Qty ft	Pkg Type
	inch	mm		inch	mm	lbs/ft	kg/m	inch	mm	psi	bar			
7391-2000100	2.0	50.8	2	2.56	65.0	1.09	1.63	7	178	150	10.3	N/A	100	Coils
7391-3000100	3.0	76.2	2	3.58	90.9	1.72	2.57	10	254	150	10.3	N/A	100	Coils
7391-4000100	4.0	101.6	2	4.65	118.1	2.61	3.89	22	559	150	10.3	N/A	100	Coils

Tube: Peroxide cured EPDM
Reinforcement: Multiple textile plies with wire helix
Cover: Synthetic rubber, smooth wrapped cover
Temp. Range: -40˚ F to +212˚ F (-40˚ C to +100˚ C)
Brand Method: White text on blue stripe
Brand Example: PARKER SERIES 7391 EPDM-P HOSE

Design Factor: 4:1
Industry Standards: UL94 V-0 flame resistance rating
Application: DI water and glycol based coolant solutions
Vacuum: Full (28")

⚠ **WARNING:** This product can expose you to chemicals including Carbon Black, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

807/807XT – Push-Lok EPDM-P

Air/Water/Coolant
Available Cover Colors: BLK RED BLU



view on web page

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Vacuum Rating		Field Attachable
	inch	mm	inch	mm	psi	bar	inch	mm	lbs/ft	kg/m	inches of Hg	kPa	82 Series
807-4-BLK-RL	1/4	6.3	0.48	12.2	150	10.3	1.0	25.4	0.08	0.12	15	51	•
807-6-BLK-RL	3/8	9.5	0.63	15.9	150	10.3	1.5	38.1	0.12	0.18	15	51	•
807XT-6-BLK-RL*	3/8	9.5	0.60	15.2	150	10.3	1.6	40.6	0.12	0.18	15	51	•
807-8-BLK-RL	1/2	12.7	0.78	19.8	150	10.3	2.8	69.9	0.18	0.27	15	51	•
807-10-BLK-RL	5/8	15.9	0.91	23.1	150	10.3	3.5	88.9	0.20	0.30	15	51	•
807-12-BLK-RL	3/4	19.1	1.05	26.2	150	10.3	4.5	114.3	0.25	0.37	15	51	•
807-16-BLK-RL	1	25.4	1.28	32.5	100	6.9	6.5	165.1	0.34	0.51	10	34	•

Tube: Black EPDM, peroxide cured
Reinforcement: One fiber braid
Cover: Black,red, and blue, synthetic rubber; smooth finish
Temperature Range: -40˚F to +212˚F (-40˚C to +100˚C)
Brand Method: White ink
Brand Example: Parker 807-16 PUSH-LOK EPDM-P;
WP 1MPa (100 psi) 25,4mm (1"); UL94 V-0 HOSE COVER MADE IN USA

Design Factor: 4:1
Industry Standards: UL94 V-0 flame resistance rating
Application: DI water and glycol based coolant solutions, air and phosphate ester
Vacuum: 15 in hg (sizes -4 through -12); 10 in hg (size -16)
Couplings: Designed to be used with 82 series fittings

***Note:** 807XT-6 is approved by OCP for BMQC applications

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Single Phase Thermal Hose
Thermal Cooling Products

627
Thermal Cooling Hose



view on web page

Parker's 627 is designed to be utilized for the transfer of coolants in high performance computers and data farms. The tube is specially formulated and compounded peroxide cured EPDM for compatibility with industrial coolants.

# Part Number	Hose I.D. inch	Hose I.D. mm	Reinf Layers	Hose O.D. inch	Hose O.D. mm	Approx Wt lbs/ft	Approx Wt kg/m	Minimum Bend Radius inch	Minimum Bend Radius mm	Max WP psi	Max WP bar	Perm Cplg Rec	Pkg Type
627-6-RL	3/8	9.5	2	0.7	16.7	0.13	0.19	1.3	33.0	150	10.3	HY	Reel
627-8-RL	1/2	12.7	4	0.9	22.7	0.24	0.36	2.0	50.8	150	10.3	HY	Reel
627-12-RL	3/4	19.1	4	1.2	29.4	0.34	0.51	3.0	76.2	150	10.3	HY	Reel
627-16-RL	1	25.4	4	1.4	36.3	0.46	0.68	4.5	114.3	150	1,03	HY	Reel
627-20-RL	1 1/4	31.8	4	1.8	45.7	0.67	1.01	6.5	165.1	150	10.3	HY	Reel
627-24-RL	1 1/2	38.1	4	2	50.8	0.84	1.24	9	228.6	150	10.3	43	Bale

Tube: Black EPDM, peroxide cured
Reinforcement: Multiple textile plies
Cover: Black Synthetic Rubber; smooth finish
Temperature Range: -40°F to +212°F (-40°C to +100°C)
Brand Method: White ink
Brand Example: Parker Series 627

Design Factor: 4:1
Industry Standards: UL94 HB flame resistance rating
Application: DI water and glycol-based coolant solutions
Couplings: Designed to be used on hose barb and clamped

⚠ **WARNING:** This product can expose you to chemicals including Carbon Black, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

629
Server Blade Hose



view on web page

Parker's 629 is designed to be utilized for the transfer of coolants in high performance computers and data farms. The tube is specially formulated and compounded peroxide cured EPDM for compatibility with industrial coolants.

# Part Number	ID (in)	ID (mm)	OD (in)	OD (mm)	B.R. (in)	B.R. (mm)	WP (psi)	WP (bar)	Weight (lbs/ft)	Weight (kg/m)	Vacuum Rating (in HG)	Vacuum Rating (kPa)	Series Cplg Rec	Std Pack Qty ft	Pkg Type
629-3.5-RL	0.21	5.3	0.38	9.7	0.6	16.0	150	10.3	0.05	0.07	28	95	N/A	500	Reel
629-4-RL	0.25	6.3	0.44	11.2	0.8	19.1	150	10.3	0.08	0.12	28	95	N/A	600	Reel

Tube: Black EPDM, peroxide cured
Reinforcement: One fiber braid
Cover: Black Synthetic Rubber; smooth finish
Temperature Range: -40°F to +212°F (-40°C to +100°C)
Brand Method: White ink
Brand Example: Parker 629-4 HOSE EPDM-P WP 1MPa (150 psi) 6,4mm (1/4") UL94 V-0 HOSE COVER MADE IN USA

Design Factor: 4:1
Industry Standards: UL94 V-0 flame resistance rating
Application: DI water and glycol-based coolant solutions
Couplings: Designed to be used on hose barb and clamped

⚠ **WARNING:** This product can expose you to chemicals including Carbon Black, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

2-Phase Thermal Hose
Refrigerant Hose Products

285 Refrigerant
SAE J3062 TYPE C



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# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Vacuum Rating		Parkrimp 26 Series
	inch	mm	inch	mm	psi	bar	inch	mm	lbs/ft	kg/m	inches of Hg	kPa	
285-4	3/16	5.1	0.5	12.5	500	34.5	1	25	0.09	0.13	28	95	•
285-6	5/16	8.2	0.6	14.7	500	34.5	1-1/2	40	0.10	0.14	28	95	•
285-8	13/32	10.7	0.7	17.3	500	34.5	2	50	0.13	0.17	28	95	•
285-10	1/2	12.9	0.8	19.4	500	34.5	2-1/2	65	0.15	0.19	28	95	•
285-12	5/8	16.1	0.9	23.6	500	34.5	3	75	0.19	0.27	28	95	•
285-14	3/4	19.1	1.1	27.4	500	34.5	3-1/2	89	0.24	0.34	28	95	

Application: Refrigerants R134a / PAG Oil & R1234yf / PAG Oil.
Inner Tube: Synthetic rubber with nylon barrier.
Reinforcement: One fiber braid.
Cover: Synthetic rubber.
Temperature Range: -40° F to +257° F (-40° C to +125° C).
Fittings: 26 Series

⚠ **WARNING:** This product can expose you to chemicals including Carbon Black, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

244 Refrigerant
SAE J2064 B CLASS I



# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Vacuum Rating		Parkrimp 26 Series
	inch	mm	inch	mm	psi	bar	inch	mm	lbs/ft	kg/m	inches of Hg	kPa	
244-16	7/8	22	1.23	31.2	500	34.5	7-1/2	190	0.51	0.76	28	95	•
244-20	1-1/8	29	1.50	38.1	500	34.5	9	230	0.56	0.83	28	95	•
244-24	1-3/8	35	1.75	44.5	350	34.5	10-1/2	270	0.62	0.92	28	95	•

Application: Refrigerant 134a.
Inner Tube: Butyl rubber.
Reinforcement: One-braid steel wire.
Cover: Fiber braid.
Temperature Range: -22° F to +257° F (-30° C to +125° C).
Fittings: 26 Series.

⚠ **WARNING:** This product can expose you to chemicals including Carbon Black, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

To find catalog information on the multiple fitting series scan the QR Codes which will take you directly to the page.

26 Series **43 Series** **82 Series** **HY Series**

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