629 SERVER BLADE HOSE

A unique hose designed for direct liquid cooling.

Customer Value Proposition

The 629 Server Blade Hose, a product from the Hose Products Division, represents the latest addition to Parker Hannifin's thermal cooling product line. This highly engineered construction offers greater flexibility and a reduced O.D. to allow for the challenging hose routing required in direct-to-chip cooling applications.

The hose tube is uniquely designed with a proprietary EPDM compound featuring a peroxide cure for increased fluid purity, thermal resistance, and enhanced sealing all of which are demanded by today's liquid-cooled electronics. The 629 hose features a cover designed for performance with flame and ozone resistance.

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PRODUCT FEATURES

- Robust peroxide cured EPDM tube for enhanced sealing and fluid purity
- Small O.D. minimizes space claim
- Extremely flexible for increased routing capability
- Very tight bend radius
- UL94 V-0 Flame resistance rated cover
- 150 psi working pressure with 4:1 safety factor

The 629 Server Blade Hose, is designed to be utilized for the transfer of coolant solutions in direct liquid cooling servers in data center rack manifolds. The tube is a specially formulated peroxide cured EPDM for robust sealing properties and fluid purity of multiple industry 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	Nom Std Pack Qty	Nom Std Pack Qty (ft)
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 ft	Reel
629-4-RL	0.25	6.4	0.44	11.2	0.8	19.1	150	10,3	0.08	0.12	28	95	N/A	600 ft	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

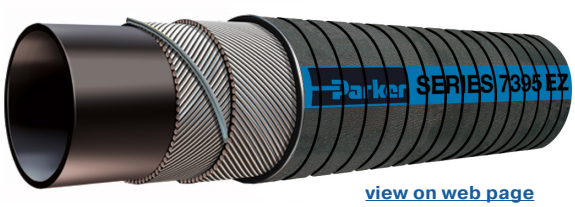
Design Factor: 4:1
Industry Standards: UL94 V-0 Flame Resistance Rating
Application: DI water and glycol-based coolant solutions
Couplings: Designed to be used on hose barb and clamped

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 p65.warnings.ca.gov

Complementing Products

E-Z FORM™ GS General Service Hose Series 7395

Series 7395 features a tube that is resistant to coolant mixtures, the helical wires provides full suction/vacuum capability and a path to conduct a static electrical charge to ground. The cover is resistant to abrasion, mild chemicals, heat, and ozone. The Greek corrugated cover provides minimal force-to-bend, kink resistance, and extreme flexibility to allow routing in confined spaces where formed hose is normally required.



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807/807XT Push-Lok EPDM-P Hose

Series 807/807XT is designed to be utilized for the transfer of air, water (including PCW), and coolant solutions for various types of equipment including electronics. The tube is specially compounded peroxide cured EPDM forumulated for hot air, dry air, phosphate ester, processing coolant water (PCW), and industrial coolants. This versatile hose features the unique Push-Lok seal system for easy assembly and to ensure reliable, durable, and leak-free service.

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