



DRIVEN BY POSSIBILITY™

# THE RIGHT FIT FOR YOUR DATA CENTER

## NOT ALL COOLING NEEDS ARE THE SAME

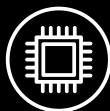
From chilled water systems to in-row and in-rack systems, every data center has unique challenges and requirements. That's why Gates offers a full line of high-performance, zinc-free and peroxide-cured EPDM hose solutions - Data Master™ and Data Master MegaFlex™ - to ensure the perfect fit for your cooling system.

Whether you need reliable performance to create a new greenfield project, or advanced high-flow coolant solutions for critical support, the Data Master Family has you covered. Let us help you find the cooling hose that matches your data center's needs.

No matter the challenge, the Data Master Family has the flexibility, durability, and performance to excel in a wide range of cooling applications:



CHILLED  
WATER SYSTEMS



DIRECT TO CHIP  
LIQUID COOLING



IN-ROW AND IN-RACK  
COOLING SYSTEMS

## THE GATES DIFFERENCE

- **Innovation:** From proprietary tube materials to MegaFlex technology, we're always pushing the boundaries of what's possible
- **Reliability:** Products that are engineered to perform in demanding environments, ensuring long-term durability
- **Expert support:** Our team of industry experts is here to help you find the right solutions for your needs
- **Full solutions portfolio:** Our data center product portfolio goes beyond hoses to include electric pumps, premium belts, and other fluid conveyance solutions to meet all your data center cooling needs

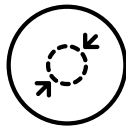
# DATA MASTER COOLING HOSE

## RELIABLE PERFORMANCE FOR YOUR LIQUID COOLING APPLICATIONS

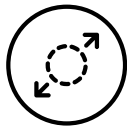
Gates Data Master hose is your go-to solution for reliable, long-lasting fluid conveyance in data center cooling systems. Built with best-in-class materials for great durability, it ensures leak-free performance and seamless integration into your cooling system. When uptime is critical, trust the hose designed to keep operations running smoothly.



SUPERIOR FLEXIBILITY



NARROW PROFILE



WIDE RANGE OF SIZES



COOLANT COMPATIBILITY

## SPECIFICATIONS

- **Proprietary tube materials:**  
Zinc-free, peroxide-cured EPDM tube for best-in-class compatibility with coolant fluids
- **Flame-resistant EPDM cover materials:** Meets UL94V-0 and tested to UL224VW-1 standards
- **Available sizes:** 5 mm though 25 mm inside diameter
- **Temperature range:** -40 °C to +100 °C (-40 °F to +212 °F)
- **Working pressure:**
  - 500 psi - Size 5 mm
  - 300 psi - Sizes 6 to 19 mm
  - 300 psi - Size 25 mm

// GATES // Data Master™ // 1" (25.4 mm) 300 PSI (21 Bar) UL 94 V-0 VW-1 C UL US

// GATES // Data Master™ MegaFlex™ // 2" (51.0 mm) 150 PSI (10.3 Bar) UL 94 V-0 VW-1 C UL US MADE IN USA RE0000

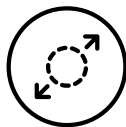
# DATA MASTER MEGAFLEX

## ADVANCED FLEXIBILITY FOR HIGH-DENSITY COOLING

When precision cooling demands unmatched flexibility and resilience, Data Master Megaflex delivers. Engineered with zinc-free, peroxide-cured EPDM ensures superior durability and kink-free performance, even in tight spaces. Perfect for source lines and high-flow systems, it's the trusted choice for demanding applications.



ENHANCED DURABILITY



LARGE DIAMETER PROFILE



SUPERIOR MINIMUM BEND RADIUS



MEGAFLEX TECHNOLOGY

## SPECIFICATIONS

- **Proprietary tube materials:**  
Zinc-free, peroxide-cured EPDM tube for best-in-class compatibility with coolant fluids
- **Flame-resistant EPDM cover materials:** Meets UL94V-0 and tested to UL224VW-1 standards
- **Available sizes:** 32, 38, and 51 mm inside diameter
- **Temperature range:** -40 °C to +100 °C (-40 °F to +212 °F)
- **Working pressure:**
  - 150 psi across the size range

## DIFFERENT COLORS FOR DIFFERENT APPLICATIONS

Gates Data Master hoses are available in a variety of colors, allowing you to customize your cooling system for efficiency, safety, and organization.

- **White:** multi-purpose data center use
- **Blue:** perfect for indicating source lines with chilled coolant
- **Red:** ideal for labeling return lines with hot fluid



INNOVATION YOU CAN TRUST

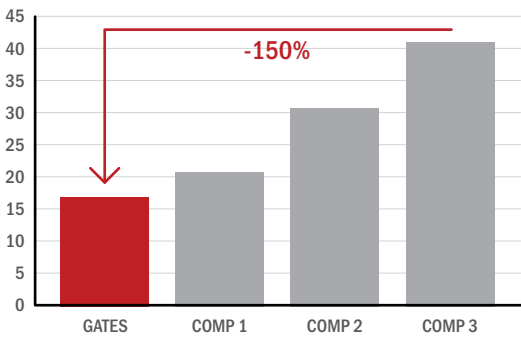
- **Redefined cleanliness:** Help your closed-loop systems stay contaminant free for longer with our proprietary tube material
- **Long-term performance:** Reduces maintenance costs and downtime, ensuring your cooling systems run smoothly for years to come

WHICH TUBE MATERIAL DO YOU WANT TO USE FOR YOUR CRITICAL EQUIPMENT?



PG25 COOLANT AFTER EXTRACTABLES TESTING WITH VARIOUS DATA CENTER HOSES AT 80°C FOR 600 HOURS

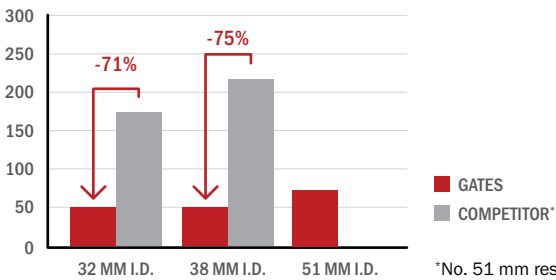
DATA MASTER'S FLEXIBILITY/FORCE TO BEND



\*Force measured when minimum bend radius is achieved. Measurement 35 mm size.

DATA MASTER IS UP TO **150% MORE FLEXIBLE** COMPARED TO COMPETITOR 1/4" DATA CENTER HOSES.

DATA MASTER MEGAFLEX'S MINIMUM BEND RADIUS (MBR)



\*No. 51 mm results published.

DATA MASTER MEGAFLEX HAS A **1.5:1 MBR TO HOSE I.D.** MEASUREMENT - THAT'S **UP TO 75% TIGHTER MBR** COMPARED TO COMPETITOR DATA CENTER SUPPLY HOSES.





## STAY AHEAD OF THE GAME WITH ADVANCED COOLING SOLUTIONS

The amount of power needed to process the large quantities of data for AI technologies and cloud computing generates a significant amount of heat. This requires robust cooling systems to maintain optimal performance.

As data centers expand, the combined heat produced by densely packed servers and networking equipment can reach critical levels. Gates is leading the way in developing cutting-edge solutions to provide superior heat management and meet those growing demands.



### FULL SOLUTIONS PORTFOLIO

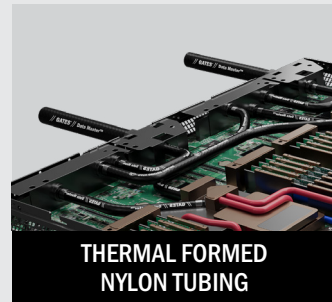
Gates has existing fluid conveyance and power transmission solutions to power your Data Center. From electric water pumps and flexible hoses to premium belts and nylon tubing, Gates is ready to provide you with the reliability and performance you need.



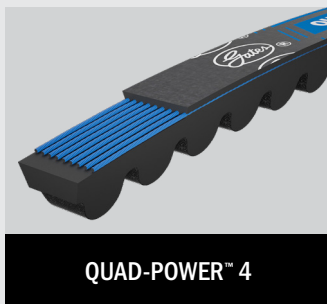
DATA MASTER  
COOLING HOSE



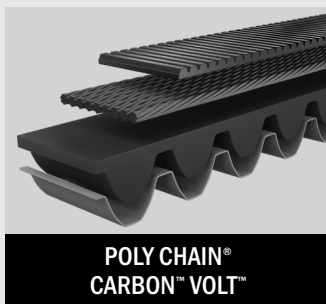
DATA MASTER  
MEGAFLEX



THERMAL FORMED  
NYLON TUBING



QUAD-POWER™ 4



POLY CHAIN®  
CARBON™ VOLT™



THERMALPRO™  
ELECTRIC WATER PUMP



**EXPLORE MORE**  
DATA CENTER  
COOLING SYSTEMS

**ASK YOUR GATES  
REPRESENTATIVE FOR  
MORE INFORMATION**