



DRIVEN BY POSSIBILITY™

# DATA MASTER™ DATA CENTER COOLING HOSE

## COOL DOWN, POWER UP, **BE RELIABLE**

Cooling data center systems is not just about thermal management. It's about guaranteeing performance, preventing slowdowns and crashes, safeguarding valuable infrastructure, and delivering energy efficient solutions.

Studies have shown that data center operations can save up to 40% of their energy used to cool data centers by switching to liquid or hybrid cooling methods. And with over 18,000 data centers expected to be in operation in just a few years, the demand for quality, reliable data center cooling products is more prevalent than ever.

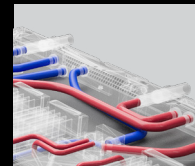
Gates products power the digital world, from financial transactions to social media interactions. Don't rely on chance; invest in proper cooling solutions to keep your data center operational.

## FULL SOLUTION 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.



THERMALPRO™  
ELECTRIC WATER PUMP



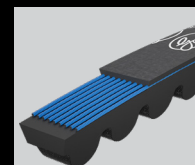
THERMAL FORMED  
NYLON TUBING



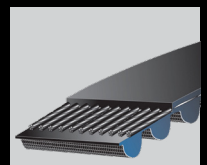
DATA MASTER  
COOLING HOSE



MULTI MASTER™ GMV™  
MEGAFLEX™



QUAD-POWER™ 4



POLY CHAIN® GT™  
CARBON™

# HEAVY-DUTY SOLUTIONS FOR HIGH-DENSITY PERFORMANCE

## DATA MASTER COOLING HOSE

Engineered to efficiently circulate coolant, the Gates Data Master Cooling Hose keeps your data center operational in the toughest conditions. Its zinc-free peroxide-cured EPDM tube offers the best compatibility with PG25 and other deionized water glycol coolant mixes to avoid fluid contamination and keep your servers running at maximum performance. Our hoses are specially designed to have a narrow profile (diameter) while using Gates special manufacturing techniques to make them flexible for easy connection.

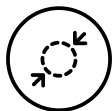
## SPECIFICATIONS

- Zinc-Free, Peroxide-Cured EPDM Tube, Synthetic fiber braid reinforcement, and flame-resistant EPDM cover
- Wide temperature range: -40° F to +212° F (-40° C to +100° C)
- Compatible with:
  - Push-Lock or Lock-on style fittings
  - Crimped: GLX & SS
  - Clamped: Hose bead with clamp (less than hose rated working pressure, do not use clamps with Lock-On fittings)



### CLEANER SYSTEMS

Zinc-free Peroxide Cured EPDM tube to avoid fluid contamination over time



### NARROW PROFILE

Smaller diameter for installation when space is constrained



### FLAME-RESISTANT

Meets UL224 VW-1 and UL94V-0 standards



### SUPERIOR FLEXIBILITY

For easier routing in complex configurations



### COOLANT COMPATIBLE

Built for a wide range of coolant mixes, including PG25



### OZONE-RESISTANT

Excellent ozone resistance to cover degradation from electronics

GATES DATA MASTER COOLING HOSE											
HOSE I.D.		HOSE O.D.		MAX. WORK PRESSURE		MINIMUM BURST		MINIMUM BEND RADIUS (ISO 10619, METHOD B)		WEIGHT REFERENCE	
in	mm	in	mm	psi	MPa	psi	MPa	in	mm	kg/m	lbs/ft
7/32	5.7	0.40	10.4	500	3.4	2,000	13.8	0.59	15.0	0.08	0.05
1/4	6.4	0.49	12.4	300	2.1	1,200	8.3	0.63	15.9	0.03	0.06
3/8	9.5	0.61	15.6	300	2.1	1,200	8.3	1.25	31.6	0.04	0.09
1/2	12.7	0.74	18.7	300	2.1	1,200	8.3	1.98	50.2	0.06	0.13
3/4	19.1	1.03	26.1	300	2.1	1,200	8.3	2.90	73.8	0.10	0.23
1	25.4	1.34	33.9	150	1.0	600	4.1	3.50	89.0	0.17	0.38

// GATES® // Data Master™

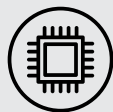
OUR DATA CENTER  
SOLUTIONS CAN PUT YOUR  
CRITICAL COOLING SYSTEMS  
RUNNING AT TOP CAPACITY  
IN **NUMEROUS APPLICATIONS**



CHILLED  
WATER SYSTEMS



CRAC OR CRAH  
UNITS



DIRECT TO CHIP  
LIQUID COOLING



LIQUID IMMERSION  
COOLING SYSTEMS



IN-ROW AND IN-RACK  
COOLING SYSTEMS

## GATES IS A MEMBER OF THE OPEN COMPUTE PROJECT

As a member of the Open Compute Project, we are ready to work together with this forward-thinking community to create top-notch data center solutions for our customers. We truly believe that together, we can pave the way for a more innovative, sustainable, and efficient future.



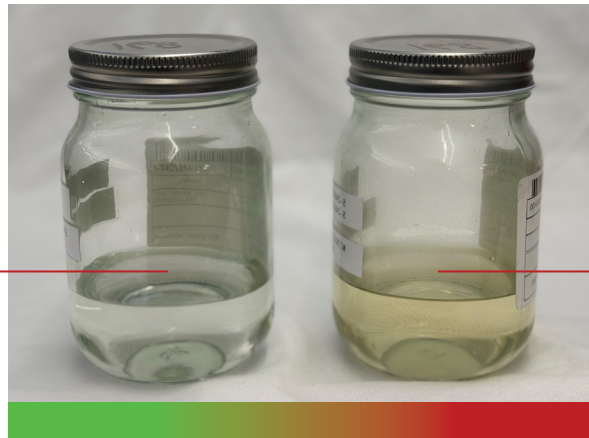
OPEN  
COMMUNITY®



# DATA MASTER DATA CENTER COOLING HOSE: CLEAN. EASY. RELIABLE.

WHICH FLUID DO YOU  
WANT COOLING **YOUR**  
**CRITICAL EQUIPMENT?**

Gates Data Master  
Zinc-Free Peroxide-  
Cured EPDM Tube\*

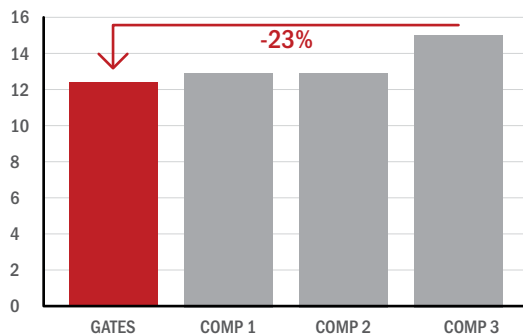


Alternate tube  
materials used  
in application\*

\*Extended-life extractables testing results with PG25 Coolant Fluid at 70°C.

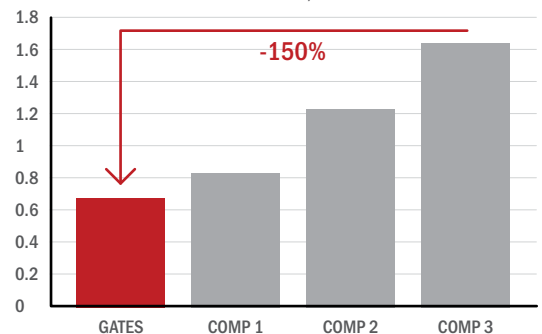
**SLIMMER HOSES  
AND FLEXIBILITY  
ARE CRITICAL  
WHEN INSTALLING  
IN TIGHT AREAS  
AND **GATES HAS  
YOU COVERED****

OUTSIDE DIAMETER (O.D.)  
Measurement 1/4" size



FLEXIBILITY/FORCE TO BEND

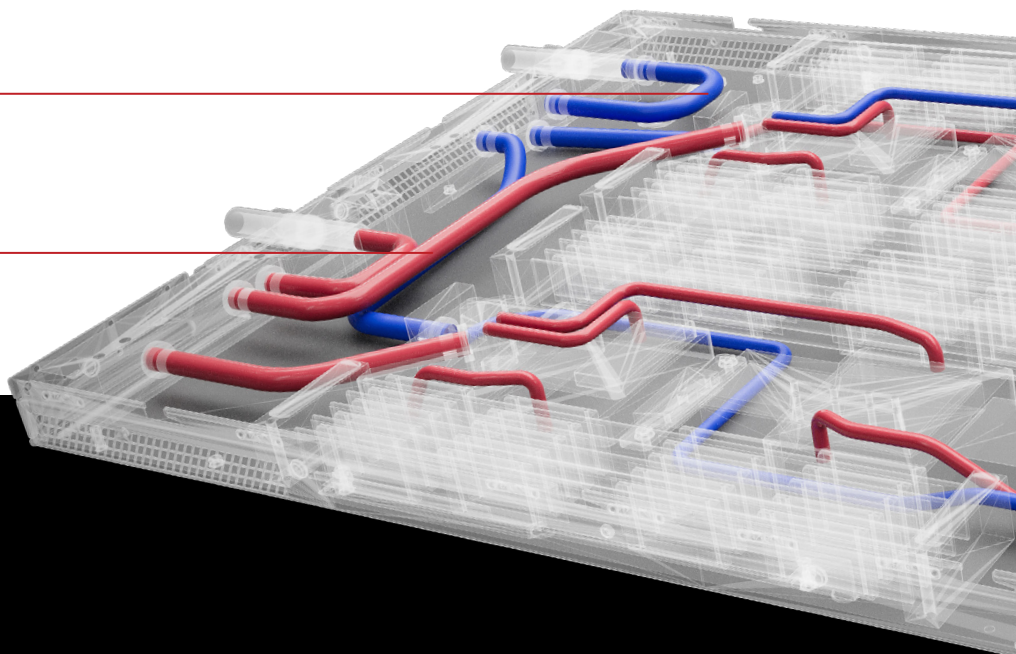
Force measured when minimum bend radius is achieved  
Measurement 1/4" size



DATA MASTER HOSES HAVE  
UP TO **23% SMALLER  
OUTER DIAMETER\***

DATA MASTER IS UP TO  
**150% MORE FLEXIBLE\***

\*Compared to competitor 1/4" data center hoses.



**CLICK OR SCAN TO  
EXPLORE MORE  
DATA CENTER  
COOLING SYSTEMS**