



A SINGER INDUSTRIAL COMPANY



DRIVEN BY POSSIBILITY™

# DATA MASTER™ MEGAFLEX™ DATA CENTER COOLING HOSE

## COOLING AT THE SPEED OF INNOVATION

Choose Data Master Megaflex for large diameter cooling that can't afford contamination. Featuring a zinc-free, peroxide-cured EPDM tube, this innovative hose allows faster coolant flow, best-in-class coolant compatibility and avoids contamination over time.

Unlike PVC and stainless steel options, Gates MegaFlex cover reduces kinking and offers field-serviceable convenience, perfect for expansive operations that need to move fast and stay ahead.

Data Master Megaflex doesn't just bridge the gap, it sets a new standard as the industry-leading large diameter data center hose, made specifically to maintain cleaner coolant, easier routing, and more reliable performance under constant, high-demand use.

## SPECIFICATIONS

- **Proprietary tube materials:** Zinc-free, peroxide-cured EPDM. Synthetic textile and dual steel wire helix reinforcement
- **Flame-resistant EPDM cover:** UL94V-0 certified and tested to UL224VW-1 standards
- **Wide temperature range:** -40°F to +212°F (-40°C to +100°C)
- **Increased flexibility:** Corrugated cover with Gates proprietary MegaFlex technology
- **Coupling recommendations:** Use with Gates Full Flow Couplings or Sanitary Flange Couplings for Data Centers

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## UNMATCHED RELIABILITY BEGINS WITH INNOVATION

Data Master MegaFlex isn't just a cooling hose - it's the next generation solution your data center cooling system deserves. Discover our proprietary zinc-free, peroxide-cured EPDM technology. This innovative tube material redefines both cleanliness and durability, delivering contaminant-free coolant with long-term performance.

Gates MegaFlex design technology combines a **large diameter hose with a 1.1 to 1.5:1 MBR to hose ID ratio.**



### CLEANER SYSTEMS

Zinc-free, peroxide-cured EPDM tube to avoid fluid contamination over time



### PROPRIETARY TECHNOLOGY

Data Master Megaflex technology offers increased flexibility on our larger sizes



### LARGER SIZES

Larger diameter options to accommodate increased coolant flow rate



### FLAME-RESISTANT

UL94V-0 certified and tested to UL224VW-1 standards



### 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 MEGAFLEX 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
1.25	31.8	1.65	41.9	150	1	600	4.1	1.88	48.0	0.86	0.58
1.5	38.1	1.95	49.5	150	1	600	4.1	2.25	57.2	0.98	0.66
2.0	50.8	2.40	61.2	150	1	600	4.1	3.00	76.0	1.31	0.88
3.0	76.2	3.50	87.6	150	1	600	4.1	3.00	76.2	1.50	1.01
4.0	101.6	4.50	113.0	150	1	600	4.1	4.00	101.6	2.11	1.42

## 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

## DIFFERENT COLORS FOR DIFFERENT APPLICATIONS

Data Master MegaFlex is available in **white** as a multi-purpose large I.D. data center hose, **blue** for supply lines, and **red** for return lines. Customize your cooling system for maximum efficiency.

