

GATES® DATA MASTER™ MEGAFLEX

FOR DATA CENTERS

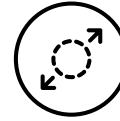
Data Master MegaFlex Cooling Hose isn't just a cooling hose - it's the next generation solution your data center cooling system deserves. Discover our proprietary zinc-free, peroxide-cured EPDM technology. This innovative tube material redefines both cleanliness and durability, delivering contaminant-free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

MEGAFLEX INNOVATION



CLEANER SYSTEMS

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



LARGER SIZES

Larger diameter options to accommodate increased coolant flow rate



FLAME-RESISTANT

UL94V-0 certified and tested to UL224VW-1 standards



PROPRIETARY TECHNOLOGY

Data Master Megaflex technology offers increased flexibility on our larger sizes



COOLANT COMPATIBLE

Built for a wide range of coolant mixes, including PG25



OZONE-RESISTANT

Excellent ozone resistance to cover degradation from electronics

PERFORMANCE DETAILS



PROPRIETARY TECHNOLOGY

GATES DATA MASTER MEGAFLEX DESIGN TECHNOLOGY COMBINES A **LARGE DIAMETER HOSE** WITH A **1.1 TO 1.5:1 MBR TO HOSE ID RATIO**.

NOW AVAILABLE

COMPLETE THE JOB WITH FULL FLOW COUPLINGS FOR DATA MASTER MEGAFLEX

With one of the highest flow coefficients on the market*, Gates UQD couplings are available with hose barbs or threaded connection options and designed to follow the OCP UQD specification.



SPECIFICATIONS

- **Proprietary tube materials:** Zinc-free, peroxide-cured EPDM tube for best-in-class compatibility with coolant fluids
- **Increased flexibility:** Corrugated cover with Gates proprietary MegaFlex technology
- **Temperature range:** -40°F to +212°F (-40°C to +100°C)
- **Working pressure:** 150 psi (1 MPa) across the size range
- **Coupling recommendations:** Use with Gates Full Flow Couplings or Sanitary Flange Couplings for data centers

INNOVATION YOU CAN TRUST

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



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

HOSE SPECIFICATIONS

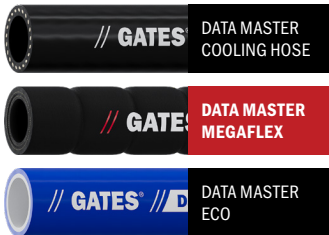
HOSE I.D.		HOSE O.D.		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS (ISO 10619, METHOD B)		WEIGHT REFERENCE	
in	mm	in	mm	psi	MPa	psi	MPa	in	mm	kg/m	lbs/ft
1.25	31.8	1.65	41.9	150	1	600	4.1	1.88	48.0	0.86	0.58
1.5	38.1	1.95	49.5	150	1	600	4.1	2.25	57.2	0.98	0.66
2.0	50.8	2.40	61.2	150	1	600	4.1	3.00	76.2	1.31	0.88
3.0	76.2	3.45	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

PART NUMBER	ITEM	COLOR
42170067	1 1/2" x 100 ft Data Master MegaFlex	White Stripe
42170089	1 1/2" x 100 ft Data Master MegaFlex	Blue Stripe
42170078	1 1/2" x 100 ft Data Master MegaFlex	Red Stripe
42170066	1 1/4" x 100 ft Data Master MegaFlex	White Stripe
42170088	1 1/4" x 100 ft Data Master MegaFlex	Blue Stripe
42170077	1 1/4" x 100 ft Data Master MegaFlex	Red Stripe
42170068	2" x 100 ft Data Master MegaFlex	White Stripe
42170090	2" x 100 ft Data Master MegaFlex	Blue Stripe
42170079	2" x 100 ft Data Master MegaFlex	Red Stripe
42170069	3" x 100 ft Data Master MegaFlex	White Stripe
42170091	3" x 100 ft Data Master MegaFlex	Blue Stripe
42170080	3" x 100 ft Data Master MegaFlex	Red Stripe
42170070	4" x 100 ft Data Master MegaFlex	White Stripe
42170092	4" x 100 ft Data Master MegaFlex	Blue Stripe
42170081	4" x 100 ft Data Master MegaFlex	Red Stripe



THE DATA MASTER FAMILY DIFFERENCE

THE COMPLETE GATES FLUID POWER SOLUTIONS



GATES IS A MEMBER OF THE OPEN COMPUTE PROJECT

In the data center space, the importance of systems compatibility cannot be overstated. That's why our data center product lines are engineered to align with Open Compute Project specifications. Together, we are making efforts toward building the best data center solutions for our customers.



OPEN
COMMUNITY®

DIFFERENT COLORS FOR DIFFERENT APPLICATIONS

Data Master hoses are available with a white label as a multi-purpose data center hose, blue for supply lines, and red for return lines. Customize your cooling system for maximum efficiency and safety.



GATES INNOVATION FOR DATA CENTERS



RELIABILITY

Product solutions engineered to meet application requirements with proven robustness and rigorous testing



EFFICIENCY

Application expertise and intentional design to optimize energy efficiency



FLEXIBILITY

Highly flexible hoses allow for easier assembly, routing, and handling



COMPACTNESS

Designing product in the smallest package to allow for more content or easier access



SUSTAINABILITY

Integrating sustainability impacts into our process and material selection criteria



CLEANLINESS

Materials used ensure cleanliness throughout system, avoiding contaminants and erosion



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