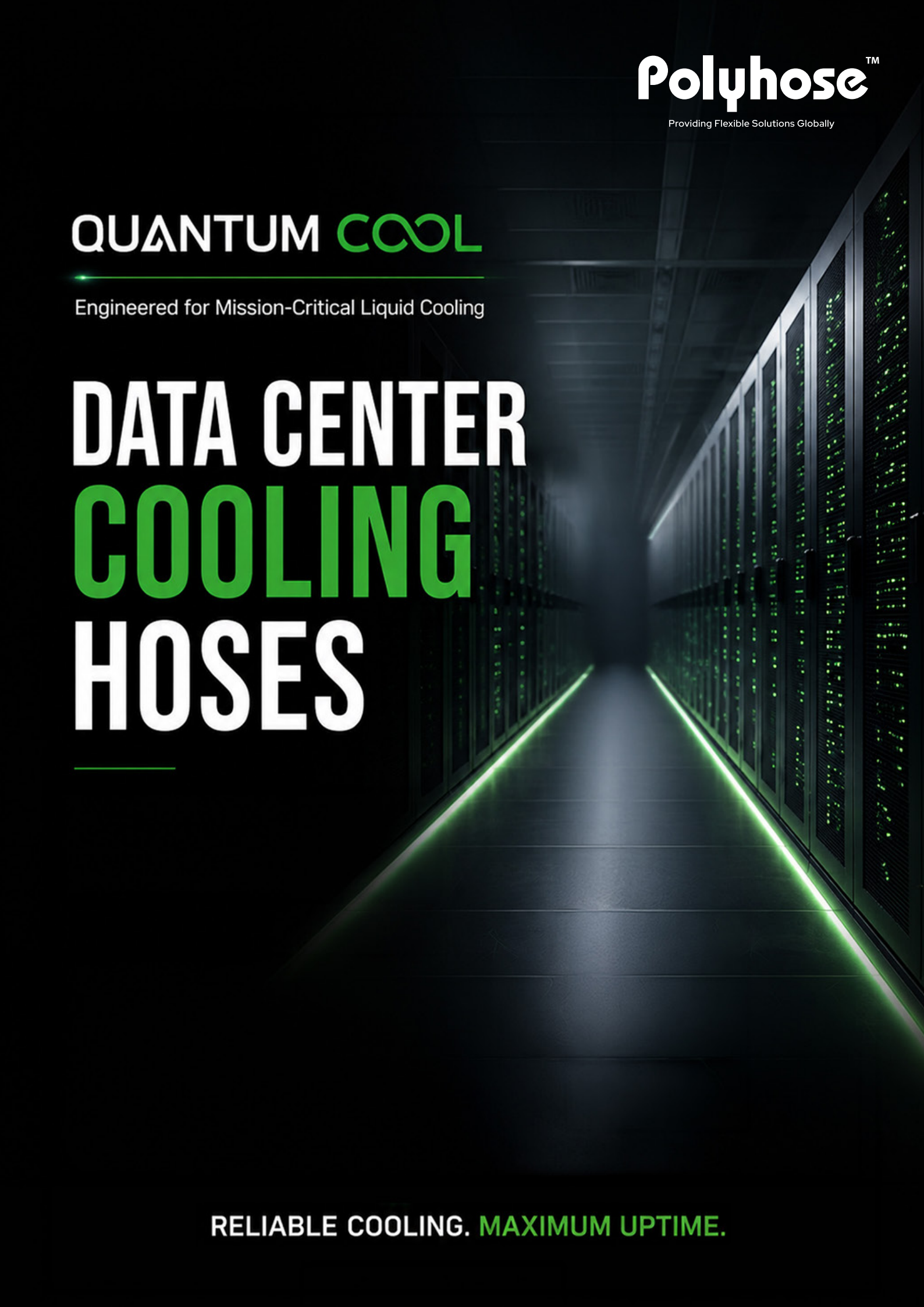




PolyhoseTM

Providing Flexible Solutions Globally

QUANTUM COOL

Engineered for Mission-Critical Liquid Cooling

DATA CENTER COOLING HOSES

RELIABLE COOLING. **MAXIMUM UPTIME.**

Built for the demands of mission-critical liquid cooling

Every Quantum Cool hose is engineered around one goal — keeping coolant clean and flowing, reliably, for the life of your infrastructure.



› Peroxide-Cured EPDM Construction

Peroxide-cured EPDM tube and cover deliver excellent corrosion and ozone resistance for long service life, with fire-resistant covers built in. Fully compatible with water and water/glycol-based coolant chemistries — keeping coolant loops free of contamination.



› Superior Flexibility & Kink Resistance

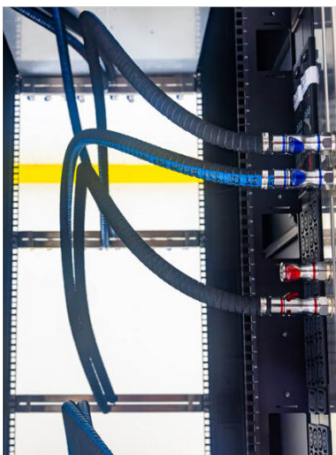
Engineered for tight, high-density routing across racks, CDUs and manifolds — bending easily into confined spaces without kinking, restricting coolant flow, or fatiguing over repeated service and maintenance cycles.



› Compatible with a wide range of end connections

Compatible with a wide range of end connections options — including push to connect, crimped and Universal Quick Disconnect (UQD) couplings — so installation teams can integrate Polyhose into existing infrastructure without redesigning connection points.

Quantum Cool solutions
ensure your critical cooling systems run at peak
capacity across every data center application.



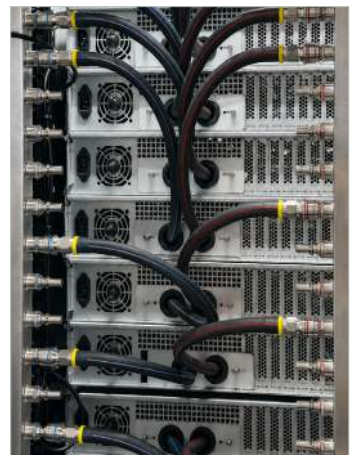
**In-Row & In-Rack
Cooling Solutions**



**Immersion Cooling
Systems**



**Direct-to-Chip Liquid
Cooling**



**Coolant Distribution
Units**

PH64P

QUANTUM COOL DATASHIELD HOSE



Inner tube: Black EPDM, peroxide cured
Reinforcement: Plies of synthetic textile cords with steel helix
Cover: Black EPDM, peroxide cured, fire retardant with corrugated finish. Available in red, blue & white colour laylines
Applicable standard: Complies with the UL 94 V-0 and HB flammability ratings

Applications: Quantum Cool DataShield Hose is a high-reliability, flexible liquid cooling hose engineered to provide secure, leak-resistant coolant transfer for mission-critical data center applications. Its superior flexibility enables easy routing and installation across CDUs, manifolds, headers, and rack-level cooling systems for efficient thermal management

 **Temperature Range:** -40°C to +140°C

Item Code	Dash size	DN	ID		OD		WP		BP		BR/r	
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm
PH64P-20	-20	31	1¼	32.0	1.65	42.0	220	15	655	45	2.0	50
PH64P-24	-24	38	1½	38.0	1.91	48.5	220	15	655	45	2.4	60
PH64P-32	-32	51	2	51.0	2.42	61.5	220	15	655	45	3.1	80
PH64P-40	-40	63	2½	63.0	3.01	76.5	220	15	655	45	3.9	100
PH64P-48	-48	76	3	76.0	3.46	88.0	220	15	655	45	4.5	115
PH64P-64	-64	102	4	102.0	4.49	114.0	220	15	655	45	5.9	150

PH437

QUANTUM COOL FLEXLINE HOSE



Inner tube: Black EPDM, peroxide cured
Reinforcement: Single Textile Braid
Cover: Black EPDM, peroxide cured, fire retardant with smooth finish. Available in red, blue & white colour laylines
Applicable standard: Complies with the UL 94 V-0 and HB flammability ratings

Applications: Quantum Cool FlexLine Hose is a high-performance flexible hose solution designed to deliver reliable liquid cooling connections between cooling infrastructure and IT racks in modern data centers. Engineered for durability and easy installation, it ensures efficient coolant flow, operational flexibility, and enhanced cooling system reliability

 **Temperature Range:** -40°C to +140°C

Item Code	Dash size	DN	ID		OD		WP		BP		BR/r	
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm
PH437-04	-04	06	1/4	6.4	0.50	12.7	305	21	1235	85	1.8	45
PH437-06	-06	10	3/8	9.5	0.63	15.9	305	21	1235	85	2.0	50
PH437-08	-08	12	1/2	12.7	0.78	19.7	305	21	1235	85	2.4	60
PH437-10	-10	16	5/8	15.9	0.91	23.0	305	21	1235	85	3.1	80
PH437-12	-12	19	3/4	19.1	1.05	26.6	305	21	1235	85	4.7	120
PH437-16	-16	25	1	25.6	1.34	34.0	305	21	1235	85	6.7	170

Enterprise-Grade Stainless Steel Flexible Hose Solutions

For mission-critical data center cooling

Operational continuity in data centers depends on cooling systems that perform reliably under continuous operation.

Polyhose Stainless Steel Corrugated Flexible Hose Assemblies are engineered for chilled water and secondary cooling circuits, delivering leak-resistant, fire-safe, and maintenance-friendly connections for critical cooling infrastructure.



› Ideal Applications

- ✓ Chilled Water Distribution Lines
- ✓ CDU Inlet & Outlet Connections
- ✓ CRAC / CRAH Unit Connections
- ✓ Heat Exchanger Interconnections
- ✓ Pump & Equipment Connections



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Product Range



Providing flexible solutions globally