Continental Data Cooling Solutions
DataGuard And FlexCool Hoses

Premium Data Cooling Hoses That
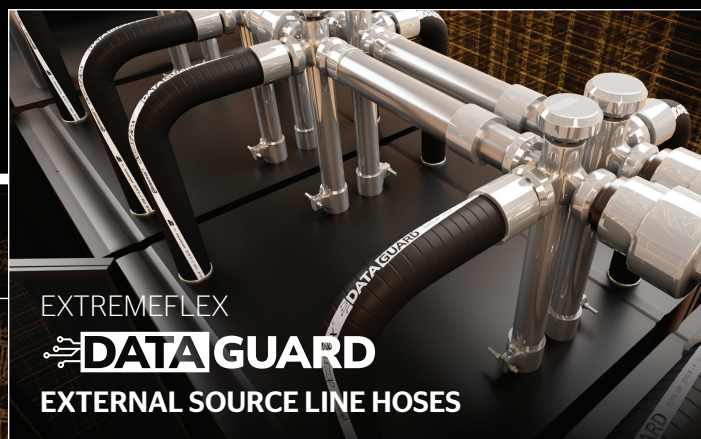## Maintain a Stable Cooling Cycle

Continental DataGuard and FlexCool data cooling hoses cost-effectively ensure the reliable operation of sensitive electronic components. They're essential lifelines that prevent overheating, malfunctions, data corruption and damage to hardware while keeping data centers running at peak performance. Efficient cooling also reduces the data center's carbon footprint, lowers energy costs and provides better working conditions.

Get Maximum Performance
For Any System

Our data cooling hoses are designed for the following types of cooling systems:
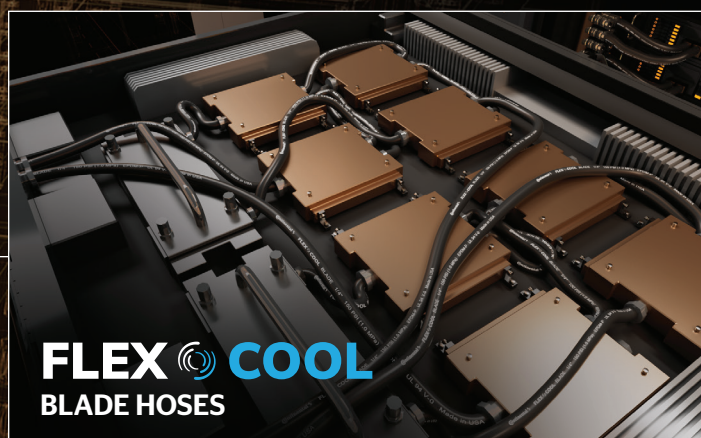
› Direct-to-Chip Single Phase

EXTREMEFLEX
DATA GUARD
EXTERNAL SOURCE LINE HOSES

FLEX COOL
BLADE HOSES

FLEX COOL
JUMPER HOSES

DATA GUARD
EXTERNAL SOURCE LINE HOSES

FLEX ◎ COOL   Blade & Jumper Hoses

Continental **FLEX ◎ COOL** BLADE 3/16" 150 PSI (1.0 MPa) EPDM-P UL 94 V-0 Made in USA

FlexCool Blade

FlexCool Blade is designed for the efficient cooling of server chips. It features a peroxide-cured EPDM tube, and its braided reinforcement delivers exceptional flexibility, while a thin wall gauge ensures routing is a breeze. This lightweight hose accommodates clamp, push-on and crimped fittings, along with UL94 V-0 flame rated cover to meet industry requirements. FlexCool Blade is built for reliability in compact server environments and facilitates liquid cooling performance so data centers can run at peak efficiency.

Attachment Method: Clamp/Crimp/Push-On

Temperature Range:

› -40˚F to 210˚F (-40˚C to 99˚C) (Clamped or crimped attachment)

› -40˚F to 180˚F (-40˚C to 82˚C) (Push-on attachment)

Tube: Black EPDM rubber, peroxide cured

Cover: Black CPE, UL 94 V-0 flame resistant

Reinforcement: Braided synthetic textile, single layer

FlexCool Blade UL94 V-0

	ID		OD		Working Pressure		Bend Radius	Weight	
SAP Material	in	mm	in	mm	PSI	Mpa	in	lbs/ft	kg/m
21206536	3/16"	4.7	0.43	10.9	150	1.03	0.6	0.065	0.097
21206550	1/4"	6.3	0.50	12.7	150	1.03	1.0	0.078	0.116

Continental **FLEX ◎ COOL** JUMPER 150 PSI (1.0 MPa) EPDM-P UL 94 V-0 Made in USA

FlexCool Jumper

FlexCool Jumper is designed for the reception of cooling fluid from the source line system, transitioning it from the manifold to the individual server blades and manifold drain lines. The peroxide-cured EPDM tube protects against contamination of your cooling fluid by greatly reducing leaching compared to traditional sulfur-cured hoses. This hose accommodates crimped, clamped, and push-on fittings, giving you flexibility in your system designs. The UL94 V-0 flame rated cover provides peace-of-mind protection, ensuring industry regulations are met. FlexCool Jumper is your solution for consistent and continuous flow within your data cooling system.

Attachment Method: Clamp/Crimp/Push-On

Temperature Range:

› -40˚F to 210˚F (-40˚C to 99˚C) (Clamped or crimped attachment)

› -40˚F to 190˚F (-40˚C to 88˚C) (Push-on attachment)

Tube: Black EPDM rubber, peroxide cured
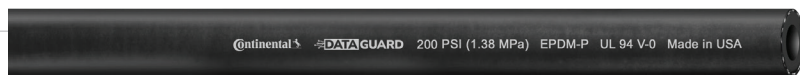
Cover: Black CPE, UL 94 V-0 flame resistant

Reinforcement: Braided synthetic textile, single layer

FlexCool Jumper UL94 V-0

	ID		OD		Working Pressure		Bend Radius	Weight	
SAP Material	in	mm	in	mm	PSI	Mpa	in	lbs/ft	kg/m
21212455	3/8"	9.5	0.64	16.1	150	1.03	2.0	0.11	0.16
21213948	1/2"	12.7	0.82	20.8	150	1.03	3.0	0.19	0.28
21212472	3/4"	19.1	1.11	28.2	150	1.03	4.0	0.30	0.45
21212477	1"	25.4	1.34	34.0	150	1.03	6.0	0.34	0.51

DataGuard

DataGuard is a source line hose engineered to deliver a constant supply of coolant directly to your server manifolds. Its robust design will withstand the harshest environments in both extreme hot and cold environments. The peroxide-cured EPDM tube protects the integrity of both your coolant and equipment. DataGuard's cover is certified to UL94 V-0 or HB flame safety standards to ensure industry regulations are met.

UL94 HB	UL94 V-0
Attachment Method: Clamp/Crimp	**Attachment Method:** Clamp/Crimp
Temperature Range: -40˚F to 210˚F (-40˚C to 99˚C)	**Temperature Range:** -40˚F to 210˚F (-40˚C to 99˚C)
(Clamped or crimped attachment)	(Clamped or crimped attachment)
Tube: Black EPDM rubber, peroxide cured	**Tube:** Black EPDM rubber, peroxide cured
Cover: Black EPDM rubber, UL 94 HB flame resistant	**Cover:** Black CPE, UL 94 V-0 flame resistant
Reinforcement: Braided synthetic textile, single layer	**Reinforcement:** Braided synthetic textile, single layer

DataGuard UL94 HB

SAP Material	ID in	ID mm	OD in	OD mm	Working Pressure PSI	Working Pressure Mpa	Bend Radius in	Weight lbs/ft	Weight kg/m
21204605	1"	25.4	1.47	37.3	200	1.38	5.0	0.49	0.73
21204627	1-1/2"	38.1	2.08	52.8	200	1.38	8.0	0.88	1.31
21204635	2"	50.8	2.52	64.0	200	1.38	12.0	0.94	1.40

DataGuard UL94 V-0

SAP Material	ID in	ID mm	OD in	OD mm	Working Pressure PSI	Working Pressure Mpa	Bend Radius in	Weight lbs/ft	Weight kg/m
21212753	1"	25.4	1.47	37.3	200	1.38	5.0	0.51	0.76
21212759	1-1/2"	38.1	2.08	52.8	200	1.38	8.0	0.92	1.37
21212768	2"	50.8	2.52	64.0	200	1.38	12.0	0.98	1.46

ExtremeFlex DataGuard

ExtremeFlex DataGuard is a premium, ultra-flexible and lightweight source line hose, engineered to deliver a constant supply of coolant throughout your data center. The peroxide-cured tube protects both your coolant and equipment by maintaining fluid purity. The advanced design allows for an impressive 1:1 bend radius, ensuring easy routing and installation to the server systems. Our cover is certified to UL94 HB flame safety standards, which provides peace of mind in your high-heat environments.

Attachment Method: Clamp/Crimp

Temperature Range: -40°F to 200°F (-40°C to 93°C)

Tube: Black EPDM rubber, peroxide cured

Cover: Corrugated Black EPDM (abrasion resistant, UL 94 HB Flame Resistant) (wrapped impression)

Reinforcement: Spiral-plied fabrics with double helix wire

ExtremeFlex DataGuard UL94 HB

SAP Material	ID in	ID mm	OD in	OD mm	Working Pressure PSI	Working Pressure Mpa	Bend Radius in	Vacuum Hg	Weight lbs/ft	Weight kg/m
21203745	3/4"	19.1	1.15	29.1	150	1.03	0.75	29	0.34	0.501
21203748	1"	25.4	1.39	35.4	150	1.03	1.00	29	0.42	0.630
21203750	1-1/4"	31.8	1.65	41.9	150	1.03	1.25	29	0.53	0.793
21203752	1-1/2"	38.1	1.90	48.2	150	1.03	1.50	29	0.62	0.923
21203754	2"	50.8	2.44	61.9	150	1.03	2.00	29	0.85	1.266
21203756	2-1/2"	63.5	3.00	76.3	150	1.03	2.50	29	1.25	1.859
21203758	3"	76.2	3.50	89.0	150	1.03	3.00	29	1.49	2.213
21203760	4"	101.6	4.53	115.1	150	1.03	4.00	29	2.11	3.142

Ontinental

Industrial Hose

Market segment
Industrial Hose

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The Future in Motion