

Emperor™ EHW094



Engineered to remove the **heat**

Boston by Danfoss brings you a liquid cooling solution built to increase performance, enhance energy efficiency, minimize downtime, and ultimately maximize your cost savings. Emperor is the first of its kind thermoplastic, fire retardant solution to enter the liquid cooling market.

Manufactured with versatility and innovative markets in mind, this hose is designed to enhance heat transfer, ensuring peak efficiency, even in the most demanding conditions. Meeting the highest level of flame rating available (UL 94 V-0) and non-conductive construction (25K+ volts dielectric strength) this hose delivers for both performance & reliability. Construction has lower "force to bend" and is resilient to constant flexing for longer life.



Markets/Applications

- Plasma cutting
- Electric vehicle and Bus liquid cooling
- Injection molding
- Industrial equipment cooling
- Data centers



Sells Against

Boston Emperor is an innovative, one of a kind solution on the market. At this time there are no competitors with a like hose.

Features

- UL 94 V-0 rated
- 25% lower force to bend compared to our EPDM solution. Lower force to bend reduces side load for fittings, QDCs for easier installation and maintenance.
- Lower cost compounds used while still meeting customer requirements (compared to silicone and PTFE materials).
- Construction resilient to constant flexing for longer life in application and reduced maintenance.
- Non-conductive construction provides added safety in high voltage environment.
- 15% lower weight (compared to a leading competitor's rubber hose) which reduces load on robotic arms and other motion devices.

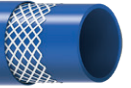
Order Fulfillment

- Made to Stock

Emperor EHW094

The industry's first thermoplastic, fire retardant hose designed for liquid cooling applications.

Boston by Danfoss Emperor EHW094-08 Liquid Cooling Water 12.7 MM (0.50 IN) DN12 UL 94 V-0 14 BAR (203 PSI) -30°C to 100°C (-22°F to 212°F) YYYY/MM/DD Made in USA //-- XXXXX



Number	Hose I.D.		Hose O.D.		Operating Pressure		Min. Burst Pressure		Minimum Bend Radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EHW094-04BU-250RC	6.4	0.25	12.7	0.50	14.0	203	55.1	800	38.1	1.05	0.10	0.068
EHW094-06BU-250RC	9.5	0.38	16.1	0.63	14.0	203	55.1	800	50.8	2.00	0.14	0.095
EHW094-08BU-250RC	12.7	0.50	17.6	0.73	14.0	203	55.1	800	63.5	2.50	0.20	0.136
EHW094-10BU-250RC	16.1	0.63	23.4	0.92	10.0	150	41.3	600	76.2	3.00	0.25	0.168
EHW094-12BU-250RC	19.1	0.75	26.7	1.05	10.0	150	41.3	600	100.0	4.00	0.31	0.207
EHW094-16BU-250RC	25.4	1.00	33.8	1.33	10.0	150	41.3	600	150.0	6.00	0.40	0.267

Construction

Tube TPU

Reinforcement

Polyester braid, non-conductive

Cover Flexible, fire retardant TPU

Packaging

250 ft. reels

Operating Temperature

-30°C to +100°C

(-22°F to +212°F)

Certification

UL 94 V-0 rated

Type of couplings

- Danfoss 1G crimp
- Danfoss 100B socketless
- Danfoss Quick disconnect couplings

Contact coupling manufacturer for attachment procedure and other coupling recommendations

ENGINEERING
TOMORROW



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