

Date:	1 May 2025
Product Name:	Burgaflex MULTICOOL 6090 premium refrigerant hose
Availability:	1 June 2025
Pack Quantity:	5 metre carton, 15 metre carton, Bulk Reel
Part Number:	Refer to table over page

Background

Burgaflex Asia Pacific supplies the Australian and New Zealand HVAC&R industries with premium flexible line solutions including BURGACLIP®, BurgaBRAZE, and Burgaflex MULTICOOL 3090 refrigerant hose. These products have earned the respect of professional technicians due to their ease of use, superior performance, versatility, depth of range, and environmental credentials.

As a global supplier to both Original Equipment (OE) and After Market (AM) industries, the engineering rigour that underpins our continuous product improvement has resulted in an evolution of the Burgaflex MULTICOOL 3090 refrigerant hose.

Available as of June 2025, the next generation MULTICOOL hose will be released as Burgaflex MULTICOOL 6090 premium refrigerant hose.

Burgaflex MULTICOOL 6090 premium refrigerant hose



What's new?

Exploring advancements in the chemistry of synthetics, polymers, rubbers, reinforcements, and adhesives has provided incremental gains in hose architecture without any loss of real-world performance. The inner tube, or liner, and the outer cover, or sheath, have received the most attention, employing the latest generation Isobutylene-Isoprene Rubber (IIR) and Ethylene Propylene Diene Monomer (EPDM) rubber, respectively.

Importantly, and in response to the demands of the OE market, Burgaflex MULTICOOL 6090 premium refrigerant hose offers a weight saving of up to 10.25%*, while achieving enviable environmental benchmarks.

In response to consumer demand, Burgaflex MULTICOOL 6090 premium refrigerant hose is now available in 5-metre cut lengths, in addition to the 15-metre cut lengths and bulk reel stock.

*Dependent on hose size, vs. Burgaflex MULTICOOL 3090.

Advantages

The latest generation seamless IIR inner tube provides low permeability rates while enhancing the relationship between the fitting 'tail' and the IIR inner tube surface. This maintains the exceptionally high coupling integrity that Burgaflex and BURGACLIP® are renowned for. When laminated to the Polyamide (PA) barrier, the combination of IIR tube and PA barrier offers extremely low refrigerant permeation potential when used with approved refrigerants and lubricants.

The EPDM outer cover is an M-class polymer and exhibits enhanced resilience when subjected to environmental extremes. EPDM offers weather, oil, abrasion, and vibration resistance while maintaining flexibility and resisting ovality. The loading required by common crimping methods is well tolerated by EPDM without cracking, shearing, or delaminating.

The Polyethylene Terephthalate (PET) monofilament braided reinforcement layer provides increased flexibility, reduced weight, and exceptional working pressure and burst pressure characteristics.

Coupling Integrity

Burgaflex MULTICOOL 6090 premium refrigerant hose is dimensionally compliant with the international standards for 'Reduced Barrier' refrigerant hose, and offers exceptional coupling integrity when paired with BURGACLIP® fittings and tails. Additionally, MULTICOOL 6090 coupling integrity validation has been achieved with traditional reduced barrier 'Beadlock' fittings, and a range of dimensionally equivalent, universal reduced crimp fitting types.

Refrigerant Compatibility

R134a, R1234yf, R404A & R452A

Lubricant Compatibility

PAG & POE (Standard and modified chemistry)

Temperature Range

-40°C to +135°C

Qualifications

- J2064 Type C Class 1 hose performance
- J3062 Type C Class 1 hose performance
- FORD: ESDS7H-19B591-AA
- General Motors: GMW14319



Burgaflex MULTICOOL 6090 Hose Specifications

Part Number	Nominal Dimension	I.D.		O.D.		Wall Thickness
	inch	mm	tol.	mm	tol.	
6090-06	5/16	8.2	±0.4	14.8	±0.5	3.3
6090-08	13/32	10.8	±0.4	17.3	±0.5	3.2
6090-10	1/2	13.1	±0.4	19.4	±0.5	3.2
6090-12	5/8	16.1	±0.4	23.6	±0.5	3.7

Burgaflex MULTICOOL 6090 Hose Range

Part Number	Description
6090-06-05	6090 #06 MULTICOOL hose, 5m
6090-06-15	6090 #06 MULTICOOL hose, 15m
6090-06-R	6090 #06 MULTICOOL hose, 250m
6090-08-05	6090 #08 MULTICOOL hose, 5m
6090-08-15	6090 #08 MULTICOOL hose, 15m
6090-08-R	6090 #08 MULTICOOL hose, 220m
6090-10-05	6090 #10 MULTICOOL hose, 5m
6090-10-15	6090 #10 MULTICOOL hose, 15m
6090-10-R	6090 #10 MULTICOOL hose, 180m
6090-12-05	6090 #12 MULTICOOL hose, 5m
6090-12-15	6090 #12 MULTICOOL hose, 15m
6090-12-R	6090 #12 MULTICOOL hose, 130m