Flexible hose solutions
Air conditioning and refrigeration hose

Eaton
Powering Business Worldwide
Air conditioning and refrigeration hose

GH001 ........................................ E-3
GH134 ........................................ E-4
FC802 ........................................ E-4
FC800 ........................................ E-5
FC555 ........................................ E-6
Air conditioning and refrigeration

GH001  EverCool™ A/C and refrigeration  E-3

GH134  A/C and refrigeration  E-4

FC802  A/C and refrigeration  E-4

FC800  EverCool™ A/C hose  E-5

FC555  Multi-refrigerant hose  E-6
EverCool™ A/C and refrigeration

Exceeds: SAE J2064 Type E, Class 1

### Construction
- **Tube:** New dual extrusion technology polyamide Type E veneer
- **Reinforcement:** Polyester braid
- **Cover:** Blended EPDM

### Operating parameters
- **Temperature range:** -40°C to +140°C (-40°F to +284°F)
- **R1234yf effusion:** <1kg/m²/yr at 80°C
- **R134a effusion:** <1.5kg/m²/yr at 80°C
- **Oils:** POE, PAG, Mineral oil, Alkybenzene
- **Moisture ingress:** Class I

### Benefits
- **Extremely low permeation**
- **Excellent heat resistance** offering a higher functional temperature range than SAE J2064 Type C or E hoses.
- **Ozone and UV resistant**
- **Easy to install** – significant reduction in potential hose damage. GH001 has maximum kink resistance, temperature resistance
- **SAE J2064 Type E veneer tube offers excellent oil and refrigerant compatibility**

### Application
- **A/C systems for truck, bus, agriculture, construction equipment and refrigeration systems**

For more information refer to E-HOAC-BB001-E.

### Fitting reference
- **Factory Crimp** – contact Eaton technical support.
- **E-Z Clip fittings** – refer to A-HOAC-MC001-E, A/C and Refrigeration hose and fittings.
**Air conditioning and refrigeration**

### GH134

**A/C and refrigeration hose**

Exceeds: SAE J2064 Type E Class 1

<table>
<thead>
<tr>
<th>Part number</th>
<th>Hose I.D.</th>
<th>Hose O.D.</th>
<th>Maximum operating pressure</th>
<th>E-Z Clip minimum burst pressure</th>
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**Construction**
- Tube: Polyamide veneer
- Reinforcement: Polyester braid
- Cover: CR

**Operating parameters**
- -40°C to +135°C
- R-134a effusion: <2.4 kg/m²/yr at 80°C (.50 lbs./ft²/yr at 176°F)
- Moisture ingression: ≤.013/cm²/yr (.08 gm./in²/yr)

**Benefits**
- Excellent effusion resistance
- Extended service life
- Superior abrasion resistance
- Field attachable fittings

**Application**
- Mobile A/C
- Refrigeration and A/C system

**Fitting reference**
- Factory Crimp – contact Eaton technical support.
- E-Z Clip fittings – refer to A-HOAC-MC001-E, A/C and Refrigeration hose and fittings.

### FC802

**Multi-refrigerant A/C and refrigeration hose**

Meets: SAE J51

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<tr>
<th>Part number</th>
<th>Hose I.D.</th>
<th>Hose O.D.</th>
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<th>Minimum operating pressure</th>
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**Construction**
- Tube: Polyamide veneer
- Reinforcement: Single polyester braid
- Cover: Bromobutyl

**Operating parameters**
- -40°C to +250°C
- HFC 134a effusion: .25 lbs/ft²/yr at 176°F (1.21 kg/m²/yr at 80°C)
- Moisture ingression: ≤.08 gm/in²/yr (.013/cm²/yr)

**Benefits**
- Excellent flexibility and heat resistance
- Excellent noise and kink resistance
- Ease of installation and routing

**Application**
- Mobile A/C
- Stationary A/C system and refrigeration

For more information refer to the E-Z Clip A-HOAC-MC001-E A/C and Refrigeration hose and fittings.

**Fitting reference**
- Reusable
- 100R5 Fitting
- Page 1-4-16
### FC800

**EverCool™ A/C hose**

Meets: SAE J2064

<table>
<thead>
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<th>Part number</th>
<th>Hose I.D.</th>
<th>Hose O.D.</th>
<th>Maximum operating pressure</th>
<th>Minimum burst pressure</th>
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<td>mm in</td>
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<td>bar psi</td>
<td>mm in</td>
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</table>

**Construction**
- **Tube:** Chloroprene (CR)
- **Barrier Layer:** Polyamide (PA)
- **Reinforcement:** 1 wire braid
- **Cover:** EPDM

**Operating parameters**
- -40°C to +125°C (-40°F to +257°F)
- **Permeation rate**
  - <1.0 kg/m²/year
  - (for R134a at 80°C)
- **Moisture ingestion**
  - <0.039 g/cm²/year according to SAE J2064, Class 1
- **Refrigerant use**
  - R134a, R407C, HF1234yf.
  - Additional refrigerants and refrigerant oils upon request.

**Benefits**
- FC800 EverCool exceeds the requirements of the SAE J2064
- FC800 has an excellent bend radius, virtually 1/2 of the radius of comparable large bore hoses

**Applications**
- Metro, large bus and rail
- Overhead cranes and stationary equipment

**Fitting reference**
Refer to A-HOAC-MR003-E catalog FC800 EverCool™ New Large Bore A/C Hose.
### FC555

**Multi-refrigerant A/C and refrigeration hose**

Meets: SAE J2064

#### Construction

**Tube:** Corrugated polyamide

**Reinforcement:** Polyester braid

**Cover:** Abrasion resistant polyester braided cover

#### Operating parameters

-40°C to +125°C

**R134a effusion**

-0.97 kg/m²/yr at 80°C

(2.0 lbs/ft²/yr at 180°F)

**Moisture ingress**

Class I

#### Features

- Machined hose nipple with two o-rings
- O-ring material - HNBR
- One-piece fitting design, factory crimp
- Abrasion resistant

#### Benefits

- Optimum sealing at the hose nipple interface
- Multi-refrigerant compatible
- Significantly exceeds industry standards for refrigerant loss
- Simplifies inventory

#### Applications

- Large and medium buses
- Rail
- Applications where extreme flexibility is required for a large-size hose

For more information refer to A-HOAC-MR001-E Multi-Refrigerant Hose and Fittings.

#### Fitting reference

Factory crimp fittings available. For more information, refer to A-HOAC-MR001-E. FN300 EverCool™ New Large Bore A/C Hose.

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#### Specifications

<table>
<thead>
<tr>
<th>Part number</th>
<th>Hose I.D.</th>
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<th>Maximum operating pressure</th>
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<th>Minimum bend radius</th>
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