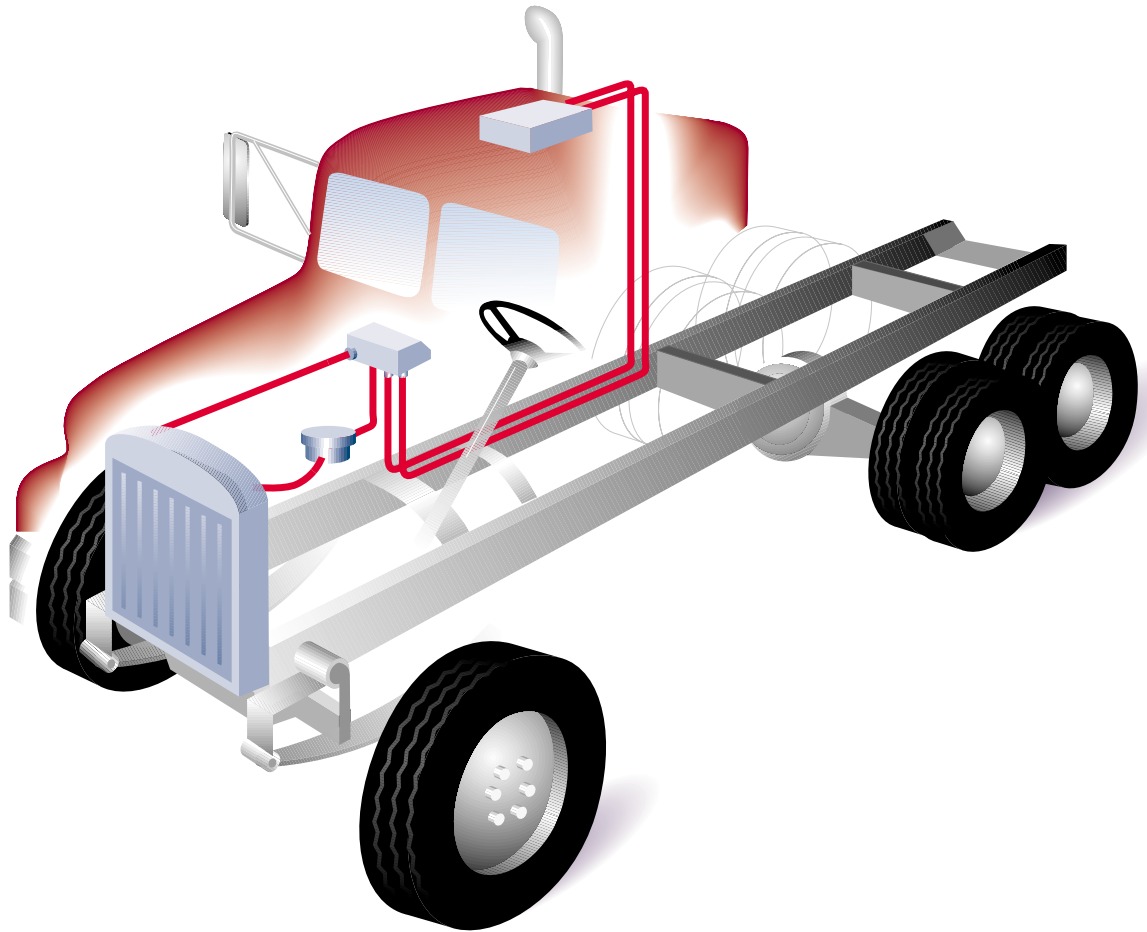


# Air Conditioning Systems



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## FC505 Multi-Refrigerant Hose

### Features:

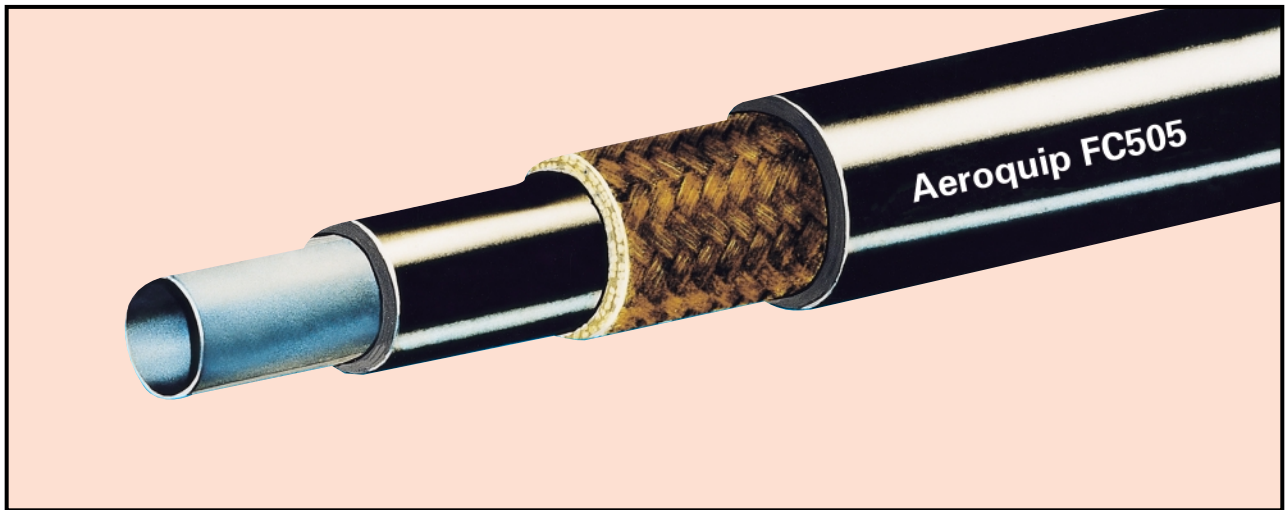
- Internal polyamide veneer
- Synthetic rubber backing layer
- Stabilized synthetic braided reinforcement
- Chlorobutyl rubber cover
- Roll-formed fittings

### Benefits:

- Hose has virtually the lowest effusion rate of any hose in the industry
- Flexible, easy to install
- Extended service performance
- Maximum resistance to moisture ingress
- Assured coupling integrity

# Aeroquip FC505

## Multi-Refrigerant Hose



### Specifications and Performance:

(Meets or exceeds SAE J2064 Type E Class 1)

Part Number	Hose I.D. (mm/inch)	Hose O.D. (mm/inch)	Minimum Bend Radius (mm/inch)
FC505-04	5.2/.20	11.2/.44	38.1/1.5
FC505-06	7.9/.31	14.7/.58	50.0/2.0
FC505-08	10.3/.41	17.8/.70	63.5/2.5
FC505-10	12.7/.50	19.8/.78	76.2/3.0
FC505-12	15.9/.62	24.9/.98	101.6/4.0

#### Maximum Operating Pressure (Bar/PSI)

- 35/500

#### Minimum Burst Pressure (Bar/PSI)

- 175/2500

#### Temperature Range

- -40°F to +275°F (-40°C to +135°C)

#### HFC 134a Effusion

- .10 lbs/ft<sup>2</sup>/yr at 176°F  
(.485 Kg/m<sup>2</sup>/yr at 80° C)

#### Moisture Ingression

- .10 gm/in<sup>2</sup>/yr  
(.016 g/cm<sup>2</sup>/yr)

#### R22 Effusion

- 1.06 lbs/ft<sup>2</sup>/yr at 122°F  
(5.14 Kg/m<sup>2</sup>/yr at 50°C)

#### R12 Effusion

- .5 lbs/ft<sup>2</sup>/yr at 212°F  
(2.42 Kg/m<sup>2</sup>/yr at 100°C)

#### Fittings

- Aeroquip Roll-formed Crimp



#### Eaton

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