

## Cooling Systems - Hose

### Hose Shelf Life

*Storage environment, along with rubber materials, can vary the shelf life limit. Shelf life is difficult to quantify as many variables affect the hose. Proper storage precautions can result in three to five years of shelf life. Beyond this time, there can be a significant service life decrease, depending on storage environment variables.*

**Some variables include:**

*Hose should be stored in a cool, dry area never exceeding +100°F [+38°C]. If stored below freezing, pre-warming may be required prior to handling, testing and placing into service. Store hose in original container. Never stack hose too high, as its weight can crush hose at the bottom of the stack. Gates recommends hose in extended storage be visually inspected and tested prior to use. Hose judged marginal should be replaced to avoid potential failure, property damage or bodily injury. Store hose on a first-in/first-out basis. Unusually long storage, or poor storage environment can deteriorate hose, reduce performance and may lead to premature failure.*

### Molded Coolant Hose

Gates molded coolant hose is manufactured to fit specific applications. Equivalent in design to OEM specifications. Approved for marine applications.



- Recommend for upper, lower, by-pass, heater and other coolant hose applications.
- Heat and ozone resistant cover.
- Engineered to resist electrochemical degradation – the leading cause of hose failure.
- Re-engineered materials resist vacuum collapse, this reduces the need for internal springs in many applications.
- Meets SAE 20R4 and 20R3 Type EC Class D-1 and D-2 specifications.
- Temperature rating: -40°F to +275°F [-40°C to +135°C] in coolant hose applications.

**Note:** Gates recommends replacing standard worm drive and spring loaded clamps with Gates PowerGrip® SB clamps each time a new coolant hose is installed.

**Caution:** Do not use for fuel or oil transfer applications.

### Branched Radiator Hose

Molded to fit specific applications. Factory quality connections are durable and eliminate coolant leaks.



- Engineered to resist electrochemical degradation – the leading cause of hose failure.
- Heat and ozone resistant cover.
- Meets SAE 20R4 and 20R3 Type EC Class D-1 and D-2 specifications.
- Temperature rating: -40°F to +275°F [-40°C to +135°C] in coolant hose applications.

**Note:** Gates recommends replacing standard worm drive and spring loaded clamps with PowerGrip® SB clamps each time a new coolant hose is installed.

**Caution:** Do not use for fuel or oil transfer applications.

## Cooling Systems - Hose

### Vulco-Flex® II Coolant Hose

Gates Vulco-Flex II hose will bend in almost any direction. It easily replicates the angles and planes of a wide variety of expensive original equipment coolant hose, for quick, easy replacement.



- Improved sealing surface for greater leak resistance and increased flexibility for easier installation.
- Heat and ozone resistant cover.
- Rated for SAE 20R5 Class D-2 performance.
- High temperature rating up to +257°F [+125°C].

**Note:** Gates recommends replacing clamps each time a new coolant hose is installed.

**Caution:** Do not use for fuel or oil transfer applications.

### Green Stripe® Vulco-Flex® Coolant Hose

Heavy-duty flexible hose designed to replace straight or curved coolant hoses. The benefit is maximum coverage with minimum inventory. Hose inside diameter remains constant from end to end. No convolutions inside hose so tube is smooth, allowing free coolant flow. Approved for marine applications.



- Excellent flexibility, yet collapse and kink resistant.
- Extra strength fabric reinforcement with helical steel wire spiral molded between tube and cover.
- Heat-resistant construction throughout.
- EPDM tube and neoprene cover for extended service life.
- Performs to SAE 20R5 Type EC Class D-2 specifications.
- Engineered to resist electrochemical degradation – the leading cause of hose failure.
- Temperature rating: -40°F to +257°F [-40°C to +125°C].
- Working pressure 40 psi maximum.

**Caution:** Do not use for fuel or oil transfer applications.

### Vulco Straight Coolant Hose

Specially engineered stick hose is ideal for straight coolant/air connections in automotive, stationary engine, industrial and home applications.



- Heat-resistant cover.
- Meets SAE 20R1 Standard Wall Class D-2 requirements.
- Cover marked in one-inch increments for easy measuring and cutting allows “custom fit” light-duty coolant installations.
- Temperature rating: -40°F to +257°F [-40°C to +125°C].

**Caution:** Do not use for fuel or oil transfer applications.

| Part No. | I.D. [In.] | Work. Press. [psi] | Part No. | I.D. [In.] | Work. Press. [psi] | Part No. | I.D. [In.] | Work. Press. [psi] |
|----------|------------|--------------------|----------|------------|--------------------|----------|------------|--------------------|
| 24008    | 1/2        | 105                | 24026    | 1 5/8      | 55                 | 24042    | 2 5/8      | 30                 |
| 24012    | 3/4        | 80                 | 24028    | 1 3/4      | 50                 | 24044    | 2 3/4      | 30                 |
| 24014    | 7/8        | 80                 | 24030    | 1 7/8      | 50                 | 24046    | 2 7/8      | 25                 |
| 24016    | 1          | 75                 | 24032    | 2          | 50                 | 24048    | 3          | 25                 |
| 24018    | 1 1/8      | 75                 | 24034    | 2 1/8      | 45                 | 24052    | 3 1/4      | 20                 |
| 24020    | 1 1/4      | 65                 | 24036    | 2 1/4      | 40                 | 24056    | 3 1/2      | 18                 |
| 24022    | 1 3/8      | 65                 | 24038    | 2 3/8      | 40                 | 24064    | 4          | 12                 |
| 24024    | 1 1/2      | 60                 | 24040    | 2 1/2      | 35                 |          |            |                    |

## Cooling Systems - Hose

### Wire-Inserted Green Stripe® Coolant Hose



Provides the ability to replace many sizes of tailor-made curved hoses. Results in maximum coverage with minimum inventory. Approved for marine applications.

- Heavy-duty fabric reinforcement with helical carbon steel wire.
- Bends easily to make curved connections.
- Cuts easily with knife and wire cutters to reduce installation time.
- Exceeds SAE 20R2 Type EC [Class D2 Tube and cover] except in vacuum applications.
- Engineered to resist electrochemical degradation – the leading cause of hose failure.
- Temperature rating: -40°F to +257°F [-40°C to +125°C].

**Note:** Long spans must be supported every 3 feet.

**Caution:** Do not use for fuel or oil transfer applications.

| Part No.<br>5 Ft. | Part No.<br>10 Ft. | I.D.<br>[In.]                 | Work.<br>Press.<br>[psi] | Vacuum<br>[In. Hg.] | Min. Bend<br>Radius<br>[In.]  | Part No.<br>5 Ft. | Part No.<br>10 Ft. | I.D.<br>[In.]                 | Work.<br>Press.<br>[psi] | Vacuum<br>[In. Hg.] | Min. Bend<br>Radius<br>[In.]  |
|-------------------|--------------------|-------------------------------|--------------------------|---------------------|-------------------------------|-------------------|--------------------|-------------------------------|--------------------------|---------------------|-------------------------------|
| 24916             | 28316              | 1                             | 100                      | 25                  | 2                             | 24938             | —                  | 2 <sup>3</sup> / <sub>8</sub> | 50                       | 20                  | 6 <sup>1</sup> / <sub>2</sub> |
| 24918             | —                  | 1 <sup>1</sup> / <sub>8</sub> | 100                      | 25                  | 2 <sup>1</sup> / <sub>2</sub> | 24940             | 28340              | 2 <sup>1</sup> / <sub>2</sub> | 50                       | 20                  | 6 <sup>1</sup> / <sub>2</sub> |
| 24920             | 28320              | 1 <sup>1</sup> / <sub>4</sub> | 100                      | 25                  | 2 <sup>1</sup> / <sub>2</sub> | 24942             | —                  | 2 <sup>5</sup> / <sub>8</sub> | 40                       | 15                  | 7 <sup>1</sup> / <sub>2</sub> |
| 24922             | —                  | 1 <sup>3</sup> / <sub>8</sub> | 85                       | 25                  | 3                             | 24944             | 28344              | 2 <sup>3</sup> / <sub>4</sub> | 40                       | 15                  | 7 <sup>1</sup> / <sub>2</sub> |
| 24924             | 28324              | 1 <sup>1</sup> / <sub>2</sub> | 85                       | 20                  | 3 <sup>1</sup> / <sub>2</sub> | 24946             | —                  | 2 <sup>7</sup> / <sub>8</sub> | 40                       | 15                  | 9                             |
| 24926             | 28326              | 1 <sup>5</sup> / <sub>8</sub> | 75                       | 20                  | 3 <sup>1</sup> / <sub>2</sub> | 24948             | 28348              | 3                             | 40                       | 15                  | 9                             |
| 24928             | 28328              | 1 <sup>3</sup> / <sub>4</sub> | 75                       | 20                  | 4                             | 24956             | 28356              | 3 <sup>1</sup> / <sub>2</sub> | 35                       | 15                  | 12                            |
| 24930             | 28330              | 1 <sup>7</sup> / <sub>8</sub> | 60                       | 20                  | 4 <sup>1</sup> / <sub>2</sub> | 24964             | —                  | 4                             | 30                       | 10                  | 20                            |
| 24932             | 28332              | 2                             | 60                       | 20                  | 4 <sup>1</sup> / <sub>2</sub> | 24980             | —                  | 5                             | 15                       | 5                   | 24                            |
| 24934             | —                  | 2 <sup>1</sup> / <sub>8</sub> | 55                       | 20                  | 5 <sup>1</sup> / <sub>2</sub> | 24996             | —                  | 6                             | 15                       | 5                   | 30                            |
| 24936             | 28336              | 2 <sup>1</sup> / <sub>4</sub> | 55                       | 20                  | 5 <sup>1</sup> / <sub>2</sub> |                   |                    |                               |                          |                     |                               |

### Green Stripe® 4-Ply Coolant Hose



For severe operating conditions found on stationary engines, construction equipment and off-road vehicle applications. Nitrile tube specially compounded to handle common coolants and additives.

- Four-ply woven, heavy-duty fabric reinforcement.
- Neoprene cover resists heat, abrasion and oil.
- Handles higher temperatures and resists petroleum additives.
- Exceeds SAE 20R1 [Class B Tube, Class C Cover, Heavy Wall].
- Reduces water loss from water permeating the hose wall and cover, a distinct advantage over silicone.
- Engineered to resist electrochemical degradation – the leading cause of hose failure.
- Temperature rating: -40°F to +212°F [-40°C to +100°C], intermittent to +257°F [+125°C].

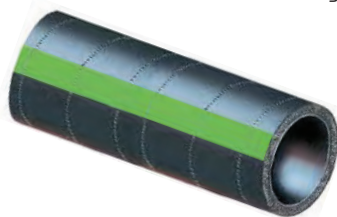
**Caution:** Do not use for gasoline or diesel transfer applications.

| Part No. | I.D.<br>[In.]                 | Work.<br>Press.<br>[psi] | Part No. | I.D.<br>[In.]                 | Work.<br>Press.<br>[psi] | Part No. | I.D.<br>[In.]                 | Work.<br>Press.<br>[psi] |
|----------|-------------------------------|--------------------------|----------|-------------------------------|--------------------------|----------|-------------------------------|--------------------------|
| 24428    | 1 <sup>3</sup> / <sub>4</sub> | 100                      | 24440    | 2 <sup>1</sup> / <sub>2</sub> | 75                       | 24452    | 3 <sup>1</sup> / <sub>4</sub> | 50                       |
| 24430    | 1 <sup>7</sup> / <sub>8</sub> | 100                      | 24442    | 2 <sup>5</sup> / <sub>8</sub> | 75                       | 24456    | 3 <sup>1</sup> / <sub>2</sub> | 50                       |
| 24432    | 2                             | 90                       | 24444    | 2 <sup>3</sup> / <sub>4</sub> | 60                       | 24458    | 3 <sup>5</sup> / <sub>8</sub> | 50                       |
| 24434    | 2 <sup>1</sup> / <sub>8</sub> | 90                       | 24446    | 2 <sup>7</sup> / <sub>8</sub> | 60                       | 24460    | 3 <sup>3</sup> / <sub>4</sub> | 50                       |
| 24436    | 2 <sup>1</sup> / <sub>4</sub> | 90                       | 24448    | 3                             | 60                       | 24464    | 4                             | 40                       |
| 24438    | 2 <sup>3</sup> / <sub>8</sub> | 90                       | 24450    | 3 <sup>1</sup> / <sub>8</sub> | 60                       | 24480    | 5                             | 40                       |

## Cooling Systems - Hose

### Green Stripe® 2-Ply Straight Coolant Hose

Stick hose designed for demanding heavy-duty coolant/air applications. Approved for marine applications.



- Two-ply bias fabric construction to maximize flexibility and strength.
- Resists "cold water leaks" due to advanced EPDM tube and cover that stay soft and pliable, even under adverse operating conditions.
- Exceeds SAE 20R1 Type EC [Class D-1 Tube, and cover, Standard Wall].
- Cover marked in one-inch increments to facilitate approximate cut lengths, allows "custom-fit" installations.
- Engineered to resist electrochemical degradation – the leading cause of hose failure.
- Temperature rating: -40°F to +257°F [-40°C to +125°C].

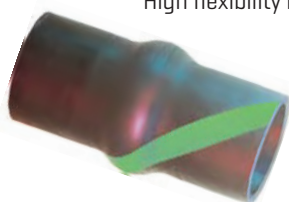
**Note:** For a maintenance free connection, use PowerGrip® SB clamps.

**Caution:** Do not use for fuel or oil transfer applications.

| Part No. | I.D. [In.] | Work. Press. [psi] | Part No. | I.D. [In.] | Work. Press. [psi] | Part No. | I.D. [In.] | Work. Press. [psi] |
|----------|------------|--------------------|----------|------------|--------------------|----------|------------|--------------------|
| 24212    | 3/4        | 100                | 24230    | 1 7/8      | 75                 | 24248    | 3          | 25                 |
| 24214    | 7/8        | 100                | 24232    | 2          | 60                 | 24250    | 3 1/8      | 25                 |
| 24216    | 1          | 100                | 24234    | 2 1/8      | 60                 | 24252    | 3 1/4      | 20                 |
| 24218    | 1 1/8      | 100                | 24236    | 2 1/4      | 60                 | 24256    | 3 1/2      | 18                 |
| 24220    | 1 1/4      | 100                | 24238    | 2 3/8      | 60                 | 24260    | 3 3/4      | 18                 |
| 24222    | 1 3/8      | 100                | 24240    | 2 1/2      | 60                 | 24264    | 4          | 12                 |
| 24224    | 1 1/2      | 100                | 24242    | 2 5/8      | 60                 | 24272    | 4 1/2      | 12                 |
| 24226    | 1 5/8      | 85                 | 24244    | 2 3/4      | 60                 |          |            |                    |
| 24228    | 1 3/4      | 75                 | 24246    | 2 7/8      | 55                 |          |            |                    |

### Green Stripe® Vibraflex® Coolant Hose

For heavy-duty applications requiring short length hose that must absorb vibration and/or fitting misalignment. High flexibility reduces installation time and provides lower cost-per-mile operation.



- Oil and heat-resistant nitrile tube.
  - Oil, abrasion and heat-resistant neoprene cover.
  - Exceeds SAE J20 [Class B Tube and Class C Cover].
  - Two-ply fabric reinforced.
  - Temperature rating: -40°F to +212°F [-40°C to +100°C].
- Caution:** Do not use for gasoline or diesel transfer applications.

| Part No. | I.D. [In.] | Work. Press. [psi] | Part No. | I.D. [In.]    | Work. Press. [psi] | Part No. | I.D. [In.]    | Work. Press. [psi] |
|----------|------------|--------------------|----------|---------------|--------------------|----------|---------------|--------------------|
| 23505    | 1 1/4 x 4  | 70                 | 23547    | 2 1/4 x 4 1/2 | 40                 | 23567    | 2 3/4 x 4 1/2 | 30                 |
| 23511    | 1 3/8 x 5  | 60                 | 23557    | 2 3/8 x 5     | 35                 | 23568    | 2 3/4 x 5 3/8 | 30                 |
| 23515    | 1 1/2 x 5  | 60                 | 23559    | 2 3/8 x 6 1/4 | 35                 | 23572    | 3 x 4         | 25                 |
| 23520    | 1 3/4 x 5  | 55                 | 23562    | 2 1/2 x 4 1/2 | 35                 | 23575    | 3 x 7         | 25                 |
| 23531    | 2 x 3 1/2  | 50                 | 23550    | 2 1/2 x 6     | 35                 | 23585    | 3 1/2 x 5 1/2 | 25                 |
| 23533    | 2 x 5      | 50                 | 23566    | 2 3/4 x 3 1/4 | 30                 |          |               |                    |

## Cooling Systems - Hose

### Silicone Coolant Hose



Extra long-lasting hose constructed with silicone rubber. Ideal for extremely high temperature service in radiator, heater and other coolant transfer hose applications.

- Excellent for extreme ambient and radiant temperature conditions.
- Resists weathering, ozone, heat and coolant deterioration.
- Silicone tube and cover resist prolonged exposure to under-hood and coolant heat.
- Use PowerGrip® SB clamps or silicone hose clamps.
- Exceeds SAE 20R1 [Class A Standard Wall].
- Temperature rating: -70°F to +350°F [-56°C to +177°C].

**Caution:** Do not use for fuel or oil transfer applications.

| Part No. | I.D. [In.] | Work. Press. [psi] | Part No. | I.D. [In.] | Work. Press. [psi] | Part No. | I.D. [In.] | Work. Press. [psi] | Part No. | I.D. [In.] | Work. Press. [psi] |
|----------|------------|--------------------|----------|------------|--------------------|----------|------------|--------------------|----------|------------|--------------------|
| 24808    | 1/2        | 110                | 24820    | 1 1/4      | 85                 | 24836    | 2 1/4      | 75                 | 24852    | 3 1/4      | 40                 |
| 24810    | 5/8        | 110                | 24822    | 1 3/8      | 85                 | 24838    | 2 3/8      | 65                 | 24856    | 3 1/2      | 35                 |
| 24812    | 3/4        | 110                | 24824    | 1 1/2      | 85                 | 24840    | 2 1/2      | 65                 | 24860    | 3 3/4      | 35                 |
| 24814    | 7/8        | 110                | 24826    | 1 5/8      | 80                 | 24844    | 2 3/4      | 50                 | 24864    | 4          | 35                 |
| 24816    | 1          | 90                 | 24828    | 1 3/4      | 80                 | 24848    | 3          | 50                 | 24872    | 4 1/2      | 25                 |
| 24818    | 1 1/8      | 90                 | 24832    | 2          | 75                 | 24850    | 3 1/8      | 40                 |          |            |                    |

## Cooling Systems - Hose

### FleetRunner® Hi-Temp Coolant Hose

Built to excel in the extreme conditions of modern heavy-duty engine compartments, FleetRunner Hi-Temp Straight Coolant Hose is the durable solution for extended use in heavy-duty trucks.



- Advance peroxide-cured EPDM rubber.
- Exceeds SAE 20R1 specifications.
- Resists electrochemical degradation.
- High working pressure rating.
- Temperature rating: -40°F to 300°F [-40°C to +149°C].

| Part No. | I.D. [In.]  | Work. Press. [psi] | Part No. | I.D. [In.]  | Work. Press. [psi] |
|----------|-------------|--------------------|----------|-------------|--------------------|
| 24614    | 7/8" X 3'   | 150                | 24630    | 1 7/8" X 3' | 150                |
| 24616    | 1" X 3'     | 150                | 24632    | 2" X 3'     | 150                |
| 24618    | 1 1/8" X 3' | 150                | 24636    | 2 1/4" X 3' | 125                |
| 24620    | 1 1/4" X 3' | 150                | 24638    | 2 3/8" X 3' | 125                |
| 24622    | 1 3/8" X 3' | 150                | 24640    | 2 1/2" X 3' | 125                |
| 24624    | 1 1/2" X 3' | 150                | 24644    | 2 3/4" X 3' | 125                |
| 24626    | 1 5/8" X 3' | 150                | 24648    | 3" X 3'     | 125                |
| 24628    | 1 3/4" X 3' | 150                |          |             |                    |

### Molded Silicone Coolant Hose

Heavy-duty engines with advanced emissions systems (from 2007 to current model year) produce higher under-hood temperatures, requiring the use of silicone coolant hose. In these low engine-air-flow and high-heat conditions, Gates Silicone Coolant Hose is the perfect product.



- Premium 4-ply construction.
- High-heat resistance material meets or exceeds OE specifications.
- Industry standard blue cover for easy identification.
- Used when hose routing passes near turbo or hot side of the charged air system.

**Gates also offers application-specific molded silicone coolant hose for exact dimensional specifications.**

| 45° Bent [+350°F/+177°C] |            | 90° Elbow [+350°F/+177°C] |            | Hi-Temp [+500°F/+260°C] |            |
|--------------------------|------------|---------------------------|------------|-------------------------|------------|
| Part No.                 | I.D. [In.] | Part No.                  | I.D. [In.] | Part No.                | I.D. [In.] |
| 28205                    | 1 3/4      | 28217                     | 1 3/4      | 28225                   | 1          |
| 28206                    | 2          | 28210                     | 2          | 28226                   | 1 1/4      |
| 28207                    | 2 1/4      | 28211                     | 2 1/4      | 28227                   | 1 1/2      |
| 28200                    | 2 1/2      | 28212                     | 2 1/2      | 28228                   | 1 3/4      |
| 28201                    | 2 3/4      | 28213                     | 2 3/4      | 28229                   | 2          |
| 28202                    | 3          | 28214                     | 3          | 28230                   | 2 1/4      |
| 28203                    | 3 1/2      | 28215                     | 3 1/2      | 28231                   | 2 1/2      |
| 28204                    | 4          | 28216                     | 4          | 28232                   | 2 3/4      |
|                          |            |                           |            | 28233                   | 3          |

## Cooling Systems - Hose

### 90° Molded Heater Hose

Especially designed for difficult heater hose applications requiring sharp 90° bends in the hose. Eliminates the need for extensive inventory of OE type curved heater hose. Just 22 sizes handle thousands of applications.



- Engineered to resist electrochemical degradation – the leading cause of hose failure.
- Resists water permeation.
- Similar to heater SAE 20R3 Type EC Class D-2.
- Use with heater hose connectors and bulk heater hose for virtually complete molded heater hose coverage.
- Temperature rating: -40°F to +275°F [-40°C to +135°C].

**Caution:** Do not use for fuel or oil transfer applications.

| Arm Lengths [In.] | Arm Lengths [mm] | 1/4" [6.35mm] | 5/16" [7.9mm] | 3/8" [9.5mm] | 1/2" [12.7mm] | 5/8" [15.9mm] | 5/8" x 3/4" [15.0 x 19.1mm] | 3/4" x 5/8" [19.1 x 15.9mm] | 3/4" [19.0mm] |
|-------------------|------------------|---------------|---------------|--------------|---------------|---------------|-----------------------------|-----------------------------|---------------|
| 4 x 6             | 101.6 x 152.4    | 18010         | 18020         | 18030        | 28460         | 28466         | 18079                       | 18070                       | 28474         |
| 4 x 12            | 101.6 x 304.8    | 18011         | 18021         | 18031        | 28461         | 28467         | —                           | 18071                       | 28475         |
| 4 x 18            | 101.6 x 457.2    | —             | —             | —            | 28462         | 28468         | 18076                       | —                           | 28476         |
| 8 x 18            | 203.2 x 457.2    | —             | —             | —            | 28463         | 28469         | —                           | 18072                       | —             |
| 4 x 24            | 101.6 x 609.6    | —             | —             | —            | 28464         | 28470         | —                           | 18073                       | 28477         |
| 8 x 24            | 203.2 x 609.6    | —             | —             | —            | —             | —             | —                           | —                           | 28478         |
| 4 x 33            | 101.6 x 825.0    | —             | —             | —            | —             | —             | 18077                       | —                           | —             |
| 8 x 34            | 203.2 x 863.6    | —             | —             | —            | —             | —             | —                           | 18078                       | —             |
| 4 x 36            | 101.6 x 914.4    | —             | —             | —            | 28465         | 28471         | —                           | 18074                       | 28479         |
| 4 x 48            | 101.6 x 1219.2   | —             | —             | —            | —             | 28472         | —                           | —                           | 28480         |
| 4 x 60            | 101.6 x 1524.0   | —             | —             | —            | —             | 28473         | —                           | 18075                       | 28481         |

### Firewall® Heater Hose

Extra heavy-duty hose designed for maximum durability. Easily recognized by its red cover.



- Unaffected by most coolants and non-oil based coolant additives.
- Unaffected by high cooling system pressures.
- Good resistance to high temperatures for extended periods of time.
- Similar to SAE 20R3 Class D-2.
- Temperature rating: -40°F to +257°F [-40°C to +125°C].

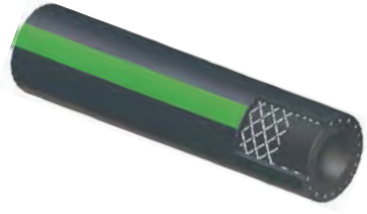
**Caution:** Do not use for fuel or oil transfer applications.

| Part No. | I.D. [In.] | Length [Ft.] | Working Pressure [psi] |
|----------|------------|--------------|------------------------|
| 28430    | 1/2        | 50           | 60                     |
| 28431    | 5/8        | 50           | 60                     |
| 28432    | 3/4        | 50           | 50                     |
| 28433    | 5/8        | 250          | 60                     |
| 28434    | 3/4        | 250          | 50                     |

## Cooling Systems - Hose

### Green Stripe® Heater Hose

Heavy-duty construction assures dependable operation in truck, bus and off-road equipment heater systems. For a maintenance free connection, install with PowerGrip® SB clamps. Approved for marine applications.



- Green Stripe construction provides best cost-per-mile economics.
- Cover is abrasion resistant.
- Advanced EPDM tube, cover and reinforcement withstand high under-hood and coolant temperatures. Designed for extended use without cracking or hardening.
- Engineered to resist electrochemical degradation – the leading cause of hose failure.
- Exceeds SAE 20R1 Type EC, Standard Wall Class D-1.
- Reduces water loss from water permeating the hose wall and cover, a distinct advantage over silicone.
- Temperature rating: -40°F to +275°F [-40°C to +135°C].

**Caution:** Do not use for fuel or oil transfer applications.

| Part No. | I.D. (In.) | Length (Ft.) | Working Pressure (psi) |
|----------|------------|--------------|------------------------|
| 28439    | 1/2        | 50           | 105                    |
| 28441    | 5/8        | 50           | 95                     |
| 28442    | 3/4        | 50           | 80                     |
| 28443    | 7/8        | 50           | 80                     |
| 28444    | 1          | 50           | 75                     |
| 28445    | 1 1/4      | 50           | 70                     |
| 28440    | 1/2        | 300          | 105                    |
| 28447    | 5/8        | 300          | 95                     |
| 28448    | 3/4        | 300          | 80                     |
| 28449    | 1          | 300          | 75                     |

### Polybagged Safety Stripe® Heater Hose

Ideal self-service package for retail-oriented merchandising. Fits standard pegboard displays.



- Package measures 12" wide x 13" high.
- Hose comes in 6 ft. lengths of Gates Safety Stripe heater hose in 3/8", 1/2", 5/8" and 3/4" I.D.

| Part No. | I.D. (In.) |
|----------|------------|
| 28489    | 3/8        |
| 28490    | 1/2        |
| 28491    | 5/8        |
| 28492    | 3/4        |

## Cooling Systems - Hose

### Silicone Heater Hose

Constructed with silicone rubber. Ideal for extremely high temperature service in radiator, heater and other coolant transfer hose applications. Approved for marine applications.



- Reinforced with tough, high temperature resistant polyester textile cords.
- Exceptionally flexible.
- Highly resistant to weathering, coolant deterioration, ozone and temperature extremes.
- Exceeds SAE 20R3 Class A Tube and Cover.
- Can be used for emission hose applications.
- For proper installation, use Gates PowerGrip® SB clamps or Gates silicone hose clamps.
- Temperature rating: -70°F to +400°F [-57°C to +204°C].

**Caution:** Do not use for fuel or oil transfer applications.

| Part No. | I.D.<br>[In.] | Length<br>[Ft.] | Work.<br>Press.<br>[psi] |
|----------|---------------|-----------------|--------------------------|
| 26239    | 3/8           | 25              | 60                       |
| 26240    | 1/2           | 25              | 60                       |
| 26241    | 5/8           | 25              | 60                       |
| 26242    | 3/4           | 25              | 50                       |
| 26244    | 1             | 25              | 45                       |

### Heavy-Duty Coolant Tubes

Coolant Tubes can be a challenge to service and are known to fail frequently. Install Gates Coolant Tubes and cut downtime - saving you money in the long run.



- Gates TuffCoat™ plating resists rust at least twice as long as OE coolant tubes.
- 10-15% thicker tube wall to limit tube damage during installation.
- State-of-the-art bending and forming technology for simple and precise installation.
- Silver color tubes allows for easier detection of leaks.
- Manufactured in the U.S.A.

## Cooling Systems - Components

### Dual I.D. Heater Hose



Specially designed for heater hose applications requiring changes in diameter.

- Engineered to resist electrochemical degradation – the leading cause of hose failure.
- Meets SAE 20R4 Type EC Class D-2.
- Use with hose connectors and bulk heater hose for virtually complete molded heater hose coverage.
- Temperature rating: -40°F to +275°F [-40°C to +135°C].

**Caution:** Do not use for fuel or oil transfer applications.

| Length<br>[In.] | Part No.<br>1/2" x 5/8"<br>I.D. | Part No.<br>5/8" x 3/4"<br>I.D. |
|-----------------|---------------------------------|---------------------------------|
| 6               | 18050                           | 18080                           |
| 12              | 18051                           | 18081                           |
| 18              | —                               | 18082                           |
| 24              | —                               | 19351                           |
| 36              | —                               | 18083                           |
| 60              | —                               | 18084                           |

### Hose I.D. Reducers

Slip inside current Gates hose to reduce inside diameters, providing maximum coverage with minimum hose inventory. Make it possible to adjust inside diameters of larger hoses for emergency replacements.



- Quality rubber construction assures maximum dependability, no leakage.
- Fits Green Stripe® straight or Green Stripe® Vulco-Flex® hoses.

**Caution:** Recommended for coolant and air applications only.

| Part No. | Size<br>[In.] |
|----------|---------------|
| 26390    | 1½ to 1¼      |
| 26391    | 1¾ to 1½      |
| 26392    | 2 to 1¾       |
| 26393    | 2¼ to 2       |
| 26394    | 2½ to 2¼      |
| 26395    | 3 to 2½       |